

VERIFICATION REPORT – PHASES 1 - 2 (PLOTS 9 - 12, 14 - 20)

FOR

REMEDIATION WORK AT KINGS CLOSE, YAPTON

FOR

PLOTLIFE SPV3 LTD

G6308-04/02

21 February 2019



Ground Management Ltd
Civil and Geotechnical Engineering Services

DOCUMENT CONTROL

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for Remediation at Kings Close, Yapton

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LIMITATION

Information obtained from third parties has not been independently verified by Ground Management Limited, unless otherwise stated in the report.

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1.0 INTRODUCTION

- 1.1 This Verification Report has been prepared by Ground Management Ltd for PlotLife SPV3 Ltd for remediation work at Kings Close, Yapton where residential development has been carried out. A location plan is included as Figure 1 and a site plan showing the general arrangement of the development is presented as Figure 2. The site had previously been used as a brickpit, which was subsequently infilled, and a small manufacturing facility.
- 1.2 This Verification Report has been prepared for the purpose of partial fulfilment of planning conditions (Condition 17).
- 1.3 The development is to be delivered in three phases as indicated on Figure 4, also showing the soft landscaped and garden areas. This version of the Verification Report covers Phases 1 and 2, and is specific to Plots 9 – 11 and 14 to 20 only. The only change in this report from the previous version is the reporting on topsoil sampling and testing from Plots 9 -12, and 14 – 15, covered in Paragraph 3.15. The verification of the third phase of the development will be covered by the final version of the report that will cover the whole site.
- 1.4 The site lies on the south side of Main Road, Yapton, off Kings Close (see Figure 1). At Desk Study stage the main concerns were the depth and nature of the infill to the old brick pits, the presence of asbestos fragments noted on the ground surface during a walkover, and any contamination that may have emanated from the factory that had occupied part of the site
- 1.5 Investigation and assessment of the site was conducted in 2017 in two phases by Ground Management Ltd. A desk study and preliminary investigation was undertaken during February and March 2017, followed by further investigations in July 2017. The results of these investigations and assessments are contained in the following Reports:
- Land Quality Assessment of Land at King's Close, Yapton. 23rd March 2017. Report G308-01/1
 - Land Quality Phase 2 Report of Land at King's Close, Yapton 24th August 2017 Report G6308-02/2
- 1.6 Subsequently a Remediation Summary was prepared for the site (Remediation Summary for Land at King's Close, Yapton, 31st October 2017. Report G6308-03/1).

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- 1.7 The remediation work recommended in the August 2017 report (and summarised in the Remediation Summary) comprised the following elements of work:
- Removal of contaminated soils, including those containing asbestos, to a suitably licensed landfill facility
 - Watching brief and further investigation and assessment if additional areas of contamination are found
 - Investigation around areas designated for infiltration drainage
 - Potential for gas protection to be used in certain areas of the site where hydrocarbons had been noted
 - Restriction on type of piling to be used to minimise contamination migration
 - Discussions to be held by developer with Water Company to determine suitable type(s) of mains water pipe
 - Placing of clean subsoil and topsoil in gardens and soft landscaping areas
- 1.8 Site work commenced in spring 2018. The groundworks, removal of soils, watching brief and further investigations were carried by SoilFix Ltd. As part of their contract they prepared a completion report on the work that they had undertaken (Completion Report, King's Close, Yapton. 1st November 2018. Reference C411.PLT). The Completion Report acts as the Verification Report for the elements of work that Soilfix undertook, and contains the following information:
- Details of further investigations undertaken both planned, eg for soakaway areas, and consequent on finding additional contamination
 - Details of materials removed from site (including Waste Transfer Notes)
 - Details of waste carriers
 - Details of licensed landfills to which material was taken
 - Details of how asbestos was dealt with.
- 1.9 Ground Management Ltd were not on site during the contract work undertaken by Soilfix Ltd or the during subsequent development work that was overseen by Plotlife SPV3 Ltd.
- 1.10 This report focuses on the other items of work and provides the relevant verification data. These items of work include:
- Removal of materials from around site edges (which Soilfix were unable to undertake during their contract because of site constraints) (Section 2)
 - Details of thickness, source and chemical compliance of imported topsoil and both imported and site re-used subsoil) (Section 3)
 - The decision not to employ any gas/vapour protection (Section 4)
 - Details of piling used (Section 5)
-

- Details of mains water supply pipes (Section 6)

1.11 Ground Management Ltd undertook sampling and testing of imported subsoil and topsoil.

1.12 It should be noted that the original investigations and the Soilfix Report are based on a plot numbering system that has subsequently been altered (to correspond with postal referencing). In this report, when referring to plot numbers, the new plot number is given and where appropriate this is followed by the original plot number in brackets. The revised (current) plot numbers are shown on Figure 3 together with the obsolete numbers shown in brackets. For further clarification this information is also presented in the Table 1 below:

NEW HOUSE & PLOT NO.	OBSELETE PLOT NO.
2	18
3	17
4	16
5	15
6	14
7	13
8	12
9	11
10	10
11	9
12	8
14	7
15	6
16	5
17	4
18	3
19	2
20	1

Table 1: Revised Plot Numbering

1.13 This work was carried out for Plotlife SPV3 Ltd and nothing in this report confers or purports to confer on any third party, any benefit or any right to enforce any term of this report pursuant to the Contract (Rights of Third Parties) Act 1999.

2.0 REMOVAL OF CONTAMINATED SOILS AND OTHER WASTES

- 2.1 During the main groundworks contract, Soilfix Ltd were unable to remove small quantities of soils materials from around the edges of the site due to fencing and other obstacles. This material was excavated by main ground works contractor, Avanti Construction Ltd, and disposed of under the direction of Soilfix at the same landfill site as was previously used.
- 2.2 The Waste Transfer and Consignment Notes for material removed from site are supplied in Appendix 2.

3.0 PLACEMENT OF COVER SYSTEM

- 3.1 The remedial requirements necessitated a 600mm cover system to be placed above remaining made ground (after any excavation) in areas of soft landscaping. Across most of the site, made ground was revealed at the base of site wide excavation. However, in the vicinity of Plots 9 to 11 (11 to 9) natural ground was encountered at the base of the excavation. The formation levels of the remedial excavations are indicated on the drawing included as Appendix 3.1.
- 3.2 Where natural ground was excavated beneath proposed buildings in these areas it was stockpiled by Soilfix and subsequently re-used by the developer as subsoil in Plots 2 to 4 (18 to 16), Plots 12 to 16 (5 to 8) and a small amount in Plots 17 to 20 (4 to 1). Testing was undertaken, by Soilfix, of the natural ground both in situ (samples P1, P9, P10 and P11) and of the stockpiled material (SP04-S1 and SP04-S2) and reported on in the Soilfix Completion Report. They noted that all the results comply with the compliance requirements set out in the Ground Management Ltd Phase 2 Report (reproduced in this report as Appendix 4).
- 3.3 At the base of the cover system, an orange non-woven geotextile, Terram Hi Vis, was installed as a separator and marker layer. Details of the geotextile are given in Appendix 3.2
- 3.4 Imported subsoil and topsoil was obtained from a single source supplier:
- Eurogreen Environmental
- 3.5 Pre-supply testing was provided by Eurogreen Environmental to demonstrate that the material conformed to the topsoil and subsoil compliance requirements. The results of the pre-supply testing is shown in Appendix 3.3
- 3.6 Further testing was undertaken on both subsoil and topsoil, after it was delivered and laid in Plots 16 to 20, on the basis of at least one test per 50m³ of material. The results of this testing are discussed below and shown in Appendix 3.4, with the locations of sampling given in Figure 5.

Subsoil Testing

- 3.7 Subsoil was initially tested in Plots 17 and 18 (site derived subsoil in Plot 16 had already been tested in stockpiles taken from Plots 9 to 11) and compared with the Topsoil/Subsoil criteria. The sample from Plot 17 (hole 17B), from a depth of 0.4 to

0.6m, failed the criteria in respect of a number of polyaromatic hydrocarbons (benzo(ah)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(ah)anthracene). The results for the latter two species were particularly high.

- 3.8 In order to determine whether this was a local problem or more widespread, further sampling and testing in the area around 17B was undertaken (holes 17C, 17D, 17E and 18A). 17C was adjacent to 17B and the other holes about 3m distant. Site photo records were also reviewed.
- 3.9 The photo records showed that, in the area of Plot 17, the base membrane was laid and a thin layer of site derived subsoil placed, but some on- site material was subsequently temporarily stockpiled in the area prior to disposal off site. It was not totally removed prior to placement of imported subsoil. The site derived material was noted as a thin layer (50 to 100mm) of orange brown clay at the base of the placed imported subsoil, above the membrane. The testing of subsoil from the additional holes included testing of both imported and site derived material.
- 3.10 The results of the additional testing of the imported subsoil and site derived subsoil all proved compliant apart from one minor exceedance for dibenzo(ah)anthracene (0.3mg/kg compared with a criteria of 0.28mg/kg). It therefore appears that the results in 17B are unrepresentative of the subsoil conditions across Plot 17 and is probably indicative of very localised contamination from the temporarily stockpiled material.
- 3.11 The subsoil material within 1.5m radius of 17B was removed down to 0.6m, where the membrane is located, and replaced with clean imported subsoil. During the excavation, no obvious contamination was noted. Once clean subsoil had been placed, the existing topsoil was re-used within 0.3m of the ground surface.

Topsoil Results (Phase 1)

- 3.12 The topsoil in Plot 17 was sampled in hole 17A for the potential contaminants listed in the Topsoil/Subsoil criteria list. The sample, from a depth of 0.0 to 0.2m, failed the criteria in respect of one polyaromatic hydrocarbons, dibenzo(ah)anthracene (0.5mg/kg compared with a criteria of 0.28mg/kg).
- 3.13 Topsoil testing in Plots 19 and 20 were compliant. Therefore additional testing of topsoil was undertaken in Plots 17 and 18, to determine whether the result from 17A was anomalous. Four additional topsoil samples were taken (from 17C, 17D, 17E and 18A). All were compliant.

- 3.14 When all seven samples are considered for plots 16 to 20, the average dibenzo(ah)anthracene content is 0.17mg/kg, and the 95% upper confidence limit of the true population mean is 0.29%. This is marginally above the criteria of 0.28%, and is considered acceptable.

Topsoil Results (Phase 2)

- 3.15 For phase 2, four topsoil samples were taken from 0.1m depth in plots 9, 11, 12 and 15 at the locations indicated on Figure 6. All topsoil samples were compliant with the compliance requirements. No subsoil testing was required in this phase as this had been completed by SoilFix.

General

- 3.16 Photos taken during the laying of geotextile, subsoil and topsoil are included in Appendix 3.5
- 3.17 The verification of the third phase of the development will be covered by a final version of this report.

4.0 CONSIDERATION OF GROUND GAS PROTECTION

- 4.1 In the Phase 2 Investigation Report (Section 6) it was noted that the monitoring of ground gas (carbon dioxide and methane) and volatile organic compounds did not indicate any significant quantities of any, and that with respect to carbon dioxide and methane, the site would be considered as a Characteristic Situation 1/Green site, requiring no precautions.
- 4.2 However in Section 7.14 of that report it was noted that consideration could be given to installing gas protection in those units in the eastern part of the site, where hydrocarbons were most frequently found, i.e. Plots 5 to 8 (12 to 15).
- 4.3 Soilfix conducted further investigations in this area and note in their Completion Report that they did not encounter any significant hydrocarbons in this area. On that basis no gas protection system was installed in those units. (See Sections 3.2.3 and 8.5 of Soilfix Completion report).

5.0 PILING

- 5.1 In the Phase 2 Report (Section 7.16) it was noted that the piling on the site may extend down into the chalk aquifer and that in these circumstances, the Environment Agency would normally prefer a piling system that results in minimal contamination migration, such as CFA piling.
- 5.2 CFA piling was used on this site. Appendix 5 gives as-built drawings of the piling locations and type

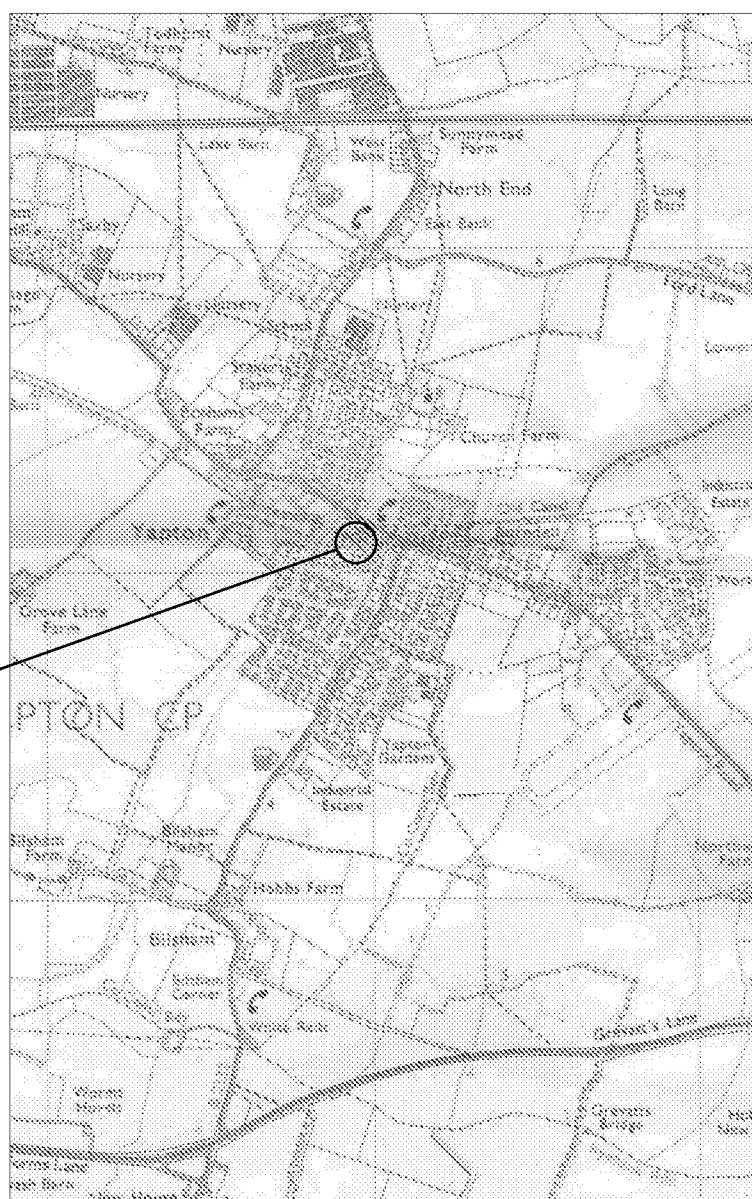
6.0 MAINS WATER SUPPLY PIPEWORK

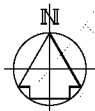
- 6.1 The Phase 2 Investigation report (Section 7.17) noted that the site was not suitable for the use of unprotected polyethylene pipes as main water supply pipes because of the presence within the made ground of polyaromatic hydrocarbons (PAH).
- 6.2 Following consultation with the water company, mains water pipes used on the site consist of a mixture of protected polyethylene pipes and ductile iron pipework. Details of where the two types of pipework have been used in given in the drawings in Appendix 6.

7.0 SOAKAWAYS

- 7.1 Soilfix report section 3.5.5 records the excavation of proposed soakaways within the proposed gardens at two locations, Plots 16,15,14,12 (5,6,7,8) and Plots 20,19,18,17 (1,2,3,4). The sides and base of the excavations were inspected by Soilfix who record they found them to contain no gross visual or olfactory contamination.
- 7.2 Plotlife have advised that Soilfix also undertook soakaway excavations in Plots 2 to 4 (18 to 16).
- 7.3 The soakaway in Plots 9 to 11 (11 to 9) was completed by the main groundwork contractor, Avanti, within the previously verified soils.
- 7.4 The soakaway in Plots 5 to 8 (15 to 12) is yet to be excavated and will be inspected when it has been opened up.

DATE: Dec 2018





FOUL MANHOLE SCHEDULE							
M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
F1	3.370	6.100	EXISTING MH	EXISTING	-	-	EXISTING MH
F2	3.780	6.480	EXISTING MH	EXISTING	-	-	EXISTING MH
F3	4.080	6.480	EXISTING MH	EXISTING	-	-	EXISTING MH
F4	4.220	6.340	EXISTING MH	EXISTING	-	-	EXISTING MH

SURFACE WATER MANHOLE SCHEDULE							
M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
S1	6.770	6.420	EXISTING MH	EXISTING	-	-	EXISTING MH
S2	6.480	6.460	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S3	-	6.300	EXISTING MH	EXISTING	-	-	EXISTING MH
S4	6.480	6.360	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S5	6.400	6.320	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S6	6.400	6.320	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S7	6.400	6.460	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S8	6.400	6.320	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S9	6.400	6.320	750 x 675	750 x 600	D400	CATCH-PI	ST10.01.47
S10	6.510	6.300	750 x 675	750 x 600	D400	P2	ST10.01.22

SOAKAWAY SCHEDULE									
TYPE	INVERT (DEPTH) (m)	TOTAL (SOAK) DIA. (m)	RING DIA. (m)	PIT DIMENSIONS (L x W) (m)	COVER SIZE (CLEAR OPENING) (mm)	COVER TYPE	COMMENT	DRG.	
SA 1	1.200	1.700	-	14.0 x 6.00	2 x 600x25	B125	100mm gravel	SA 1	
SA 2	1.200	1.700	-	12.0 x 6.00	2 x 600x25	B125	100mm gravel	SA 2	
SA 3	1.200	1.700	-	23.0 x 6.00	2 x 600x25	B125	100mm gravel	SA 3	
SA 4	1.200	1.700	-	14.0 x 6.00	2 x 600x25	B125	100mm gravel	SA 4	
SA 5	1.200	1.700	-	19.0 x 6.00	3 x 600x25	B125	100mm gravel	SA 5	

1. A Limes 1800 geotextile or equivalent around is required.
2. Gravel shall be 10mm to 15mm from any building or structure.
3. The Contractor shall immediately notify the Engineer if groundwater is encountered in soakaway pits.
4. A provisional soil infiltration rate of 2.00 x 10⁻³ m/sec has been used for soakaway design.

OUTSTANDING DESIGN ISSUES:

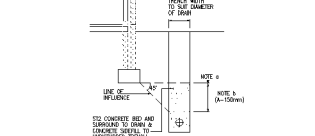
- Provide RMP Locations
- Provide Pool Outlet Locations

WARNINGS:

- Contaminated Ground: Remediation of contaminated soils may be required in the vicinity of soakaway structures that will compromise them to the ground. See Section Management Report 00000.
- Pool Drainage / Sewers: Due to the close proximity of permeable pavements to foul drain runs on the site, it is not anticipated that Southern Water will accept any of the new foul drainage system used from materials PS.

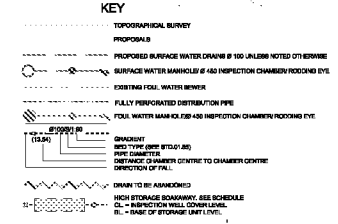
Notes

- This drawing is to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- Dimensions are in millimetres unless noted otherwise.
- Original topographic survey undertaken by Kings Surveyors. For full topographic survey information see Kings drawing No. 000000001.
- All levels based on C.B. Datum by 1975.
- Existing levels shown thus: -
- Before excavation commences, the Contractor shall ascertain the depths, sizes and locations of all services to be removed. Any conflicts in levels between new works and existing services shall be notified to the Engineer.
- All drainage shall be in accordance with Building Regulations 2002: Part H & W.8.A. Down to Adoption 750 velocity.
- Details of existing services & drains shall be confirmed by the contractor on site prior to the commencement of works.
- Seams of different diameters shall be laid side to side in manholes, unless backdrops are installed.
- Private drains passing through walls and footings are to be allowed and a 600mm length of rubber pipe shall be laid on each side of the wall or footing. Future under building shall have a type 'T' seal and surround, unless depth below underside of slab is less than 150mm where a 150mm lead ball surround of concrete is to be used. Where pipes pass beneath foundations 150mm length rubber pipes shall be laid on each side. Below is shown a typical detail of a pipe passing through a foundation:



10. Manholes (M.H.) covers and inspection chamber (I.C.) shall be adjusted to suit final surface levels.
11. Where trench foundation levels are above original levels, levels shall be made up with either well compacted layers of D.O.T. type 1 or mix ST2 concrete.
12. For portions of RMPs that extend and rainwater pipes are detailed inside buildings.
13. Minimum gradient for pipes where no gradient is shown shall be 1:80.
14. Dimensions of M.H. or private drains and sewers to be in accordance with requirements of the Building Regulations.
15. Drainage trenches lower than foundations:
 - a) Where drainage trench is within 1.0m of a building the trench is to be filled with concrete to S1 up to the level of the foundation, in accordance with Building Regulation 2002: Part H, chapter 6.
 - b) Where drainage trench is in excess of 1m from building and the depth of trench below foundation level is greater than 1m the lower trench shall be filled with concrete to S1.2 such that the top level of concrete is not less than 1m (100mm) below foundation level. Notes a) and b) are represented diagrammatically below:
16. Pipe materials shall be:
 - a) For external private drain: 100mm.
 - b) Clay pipe, extra strength or extra strength in accordance with BS EN 286: 1991.
 - c) L.P.V.C. pipe in accordance with BS 6800 & BS 6801: 1990 (flexible pipe).
 - d) Flexible pipe shall be in accordance with BS EN 286: 1991, as shown in drawing with high performance joints or equivalent.
 - e) For acceptable manhole/inspection drains, see longitudinal sections.
17. Definition of 'rigid' and 'flexible' pipes shall be in accordance with Part H, table 7.
18. Flexible pipes - Where private flexible pipes have more than 300mm cover under vehicular areas and more than 150mm cover under gardens, loading and loading shall be Type B as shown on drawing ST10.01.05.
 - a) For special protection where pipes are laid with low cover see notes below.
 - b) Where private flexible pipes have less than 300mm cover under vehicular areas, a reinforced concrete bedding shall be used (see Type 'T' drawing ST10.01.05) Reference Building Regulations 2002: Part H.
 - c) Where private flexible pipes have less than 300mm cover under gardens, concrete bedding shall be used (see drawing ST10.01.05) Reference Building Regulations 2002: Part H.
19. Rigid pipes - Bedding and bedding shall be Type 'T' as shown on drawing ST10.01.05, except on lengths where special protection is required (see notes below).
 - a) Where 150mm private rigid pipes have less than 400mm cover under vehicular areas, a Type 'C' concrete surround shall be used (see drawing ST10.01.05) Reference Building Regulations 2002: Part H.
 - b) Where 150mm private rigid pipes have less than 300mm cover under gardens, a Type 'C' concrete surround shall be used (see drawing ST10.01.05) Reference Building Regulations 2002: Part H.
 - c) Where 150mm private rigid pipes have less than 300mm cover under any areas, a Type 'C' concrete surround shall be used (see drawing ST10.01.05) Reference Building Regulations 2002: Part H.
20. Private storm and foul drainage connections shall be detailed by the Architect.
21. All external rainwater down pipes shall discharge through a proprietary bottle gully as shown on drawing ST10.01.12.
22. Trenches below existing crossovers and parking areas shall be reinforced with D.O.T. Type 1 material in accordance with standard detail ST10.03.05.
23. All road gullies shall be trapped in accordance with detail ST10.01.05 Type IT.
24. All utility covers & frames within the extent of the works shall be adjusted as necessary. The Contractor shall ensure that all services within vehicular areas have appropriate grade covers & frames as shown below:
 - Vehicular areas: D400
 - Pavement areas: D125

FIGURE 2: SITE PLAN



REV DESCRIPTION CHECKED DATE

C7	ALL BACKLIT GULLIES REMOVED.		11-05-18
C8	FULL OUTLET FLOW GULLIES & 14 RELOCATED.		11-05-18
C9	ADDITIONAL PROPOSED GULLIES SHOWN ON MAIN ROAD.		11-05-18
C10	EXISTING FOWL WATER MANHOLE.		11-05-18
C11	CONSTRUCTION RING PLANT NUMBER UPDATED.		11-05-18
C12	WORKS WARDEN TO BEAD ON EXISTING MANHOLE.		11-05-18
C13	CONSTRUCTION RING PLANT NUMBER UPDATED.		11-05-18
C14	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C15	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C16	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C17	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C18	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C19	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18
C20	SOAKAWAY PITS TO BEAD ON EXISTING MANHOLE.		11-05-18

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CURRY
Profile
PROJECT
Housing Development
Kings Close, Ylpton
General Arrangement showing Drainage

DRAWN BY: PF
SCALE: @ A1
JOB NO.: 28854
CHECKED BY: VC
DATE: 10/05/2018
DRAWING NO.:
DESIGNED BY: PF
STATUS: REVISION
C7

PLOT NUMBERS AS UPDATED JUNE 2018 TO
 CORRESPOND WITH POSTAL REFERENCING

THE OBSOLETE PLOT NUMBERS ARE
SHOWN IN BRACKETS AFTER THE CURRENT
PLOT NUMBER



Trees

<i>Prunus avium</i> 'Plena'	Regular
<i>Prunus cerasifera</i> 'Nigra'	Regular
<i>Acer platanoides</i> 'Drummondii'	Regular
<i>Acer pseudoplatanus</i> 'Brilliantissimum'	Half standard
<i>Betula albosinensis</i> 'Fraxination'	Regular
<i>Eucalyptus gunnii</i>	Regular
<i>Liriodendron tulipifera</i>	Regular
<i>Malus</i> 'Prairie Fire'	Regular
<i>Sorbus</i> 'Joseph Rock'	Regular
<i>Crataegus laevigata</i> 'Paul's Scarlet'	Regular

Evergreen Shrubs

1. *Cistus* 'Silver Pink'
2. *Cistus* x *purpureus*
3. *Cordylone australis*
4. *Escallonia* 'Donard Radiance'
5. *Eunymus fortune* 'Blondy'
6. *Hebe* 'Autumn Glory'
7. *Hebe* 'Midsummer Beauty'
8. *Hebe* 'Mrs Winder'
9. *Hebe* 'Silver Queen'
10. *Hypericum* 'Hidcote'
11. *Lavandula angustifolia*
12. *Mahonia aquifolium*
13. *Photinia* x *fraseri* 'Red Robin'
14. *Prunus laurocerasus* 'Otto Luyken'
15. *Viburnum tinus* 'Eve Price'
16. *Viburnum* x *burkwoodii*

Deciduous shrubs

17.	<i>Buddleja globosa</i>	Regular	3 litre
18.	<i>Buddleja davidii</i> Silver Anniversary	Regular	3 litre
19.	<i>Buddleja davidii</i> Royal Red	Regular	3 litre
20.	<i>Cornus alba</i> Aurea	Regular	3 litre
21.	<i>Cornus alba</i> Kesselringii	Regular	3 litre
22.	<i>Cytisus x praecox</i> 'Allegoli'	Regular	3 litre
23.	<i>Cytisus x praecox</i> 'Albus'	Regular	3 litre
24.	<i>Deutzia x hybrida</i> 'Mont Rose'	2 litre	2 litre
25.	<i>Forsythia x intermedia</i> 'Lynwood'	2 litre	2 litre
26.	<i>Hydrangea</i> 'Preziosa'	2 litre	2 litre
27.	<i>Hydrangea macrophylla</i> 'Altona'	2 litre	2 litre
28.	<i>Hydrangea quercifolia</i>	2 litre	2 litre
29.	<i>Lavatera x clementii</i> 'Barnley'	3 litre	3 litre
30.	<i>Philadelphus</i> 'Belle Etoile'	3 litre	3 litre
31.	<i>Ribes sanguineum</i> 'King Edward VII'	3 litre	3 litre
32.	<i>Sambucus nigra</i>	3 litre	3 litre
33.	<i>Spiraea japonica</i> 'Gold Mound'	2 litre	2 litre
34.	<i>Spiraea thornburgii</i>	2 litre	2 litre
35.	<i>Viburnum x bodnantense</i> 'Dawn'	2 litre	2 litre
36.	<i>Wicksteed</i> 'Victoria'	3 litre	3 litre

Grasse

37. <i>Acorus gramineus</i> 'Variegatus'	2 litre
38. <i>Carex hachijoensis</i> 'Evergold'	2 litre
39. <i>Festuca glauca</i> 'Elijah Blue'	2 litre
40. <i>Miscanthus sinensis</i> 'Zebrinus'	3 litre
41. <i>Stipa gigantea</i>	3 litre

Perennials

42. Astilbe 'Fanal'	2 litre
43. Astilbe 'Sprite'	2 litre
44. Crocosmia 'Lucifer'	2 litre
45. Geranium 'Rozanne'	2 litre
46. Geranium sanguineum	2 litre
47. Helleborus argutifolius	2 litre
48. Nepeta 'Six Hills Giant'	2 litre
49. Penstemon 'Blackbird'	2 litre
50. Salvia officinalis	2 litre
51. Verbena bonariensis	2 litre

Hedging

52. *Buxus Sempervirens* 2 litre

Ground Cover

53. *Cotoneaster* 'dammeri'
54. *Cotoneaster* 'microphyllus'
55. *Cotoneaster salicifolius* 'Repens'
56. *Cotoneaster* 'Skogholm Coral Beauty'
57. *Euonymus fortunei*
58. *Gaultheria cuneata*
59. *Hedera colchica*
60. *Hedera helix* 'White Wonder'
61. *Hydrangea calycinum*
62. *Juniperus horizontalis*
63. *Juniperus sabina* 'Tamariscifolia'
64. *Pachysandra terminalis*

Rev G: 31.05.2016: Plot numbers amended to accord with postal numbers.

Rev F: 04.05.2016: All rear garden shown moved. Plot 10 shed relocated. Plot 10-11 rear garden fence moved to reduce Plot 11 and increase Plot 10 rear garden. Turning head adjacent to Plot 9 reduced and bollards shown. Indication of boundary retaining walls amended to correspond with engineering layouts.

Plot 9 rear garden fence amended to maintain path width. Plot 13 side path to rear garden shown.

Rev E: 02.02.2018: Rear garden fences abutting shared rear access paths amended to include 0.3m trellis top section.

Rev D: 08.11.2017: Rotary dryers shown to plots 2-5 and plot 11.

Rev C: 02.11.2017: Patio sizes amended. Garden fences amended from panel to close board. Plots 13 - 18 bike sheds shown. Bin locations shown to plots 9 & 10 and 14 & 15. Bin store adjacent to parking, for plots 5-8, - 10 biked.

Rev B: 31.10.2017: Amendments to affordable units: patios and paths updated and back gardens shown turfied.

Rev A: 25.10.2017: Planning Issue 1

drawing no. 16024 - RM110G

FIGURE 4: PHASED DELIVERY AREAS

Ground Management Ltd

Civil and Geotechnical Engineering Services

Robin Hill Farm, Clay Lane, Fishbourne
CHICHESTER, West Sussex PO18 8AB
Phone/Fax 01243 575073

PROJECT NO: G6308

FIGURE REF: Figure 5

PROJECT: Land at Kings Close Yapton

PREPARED: AJHT

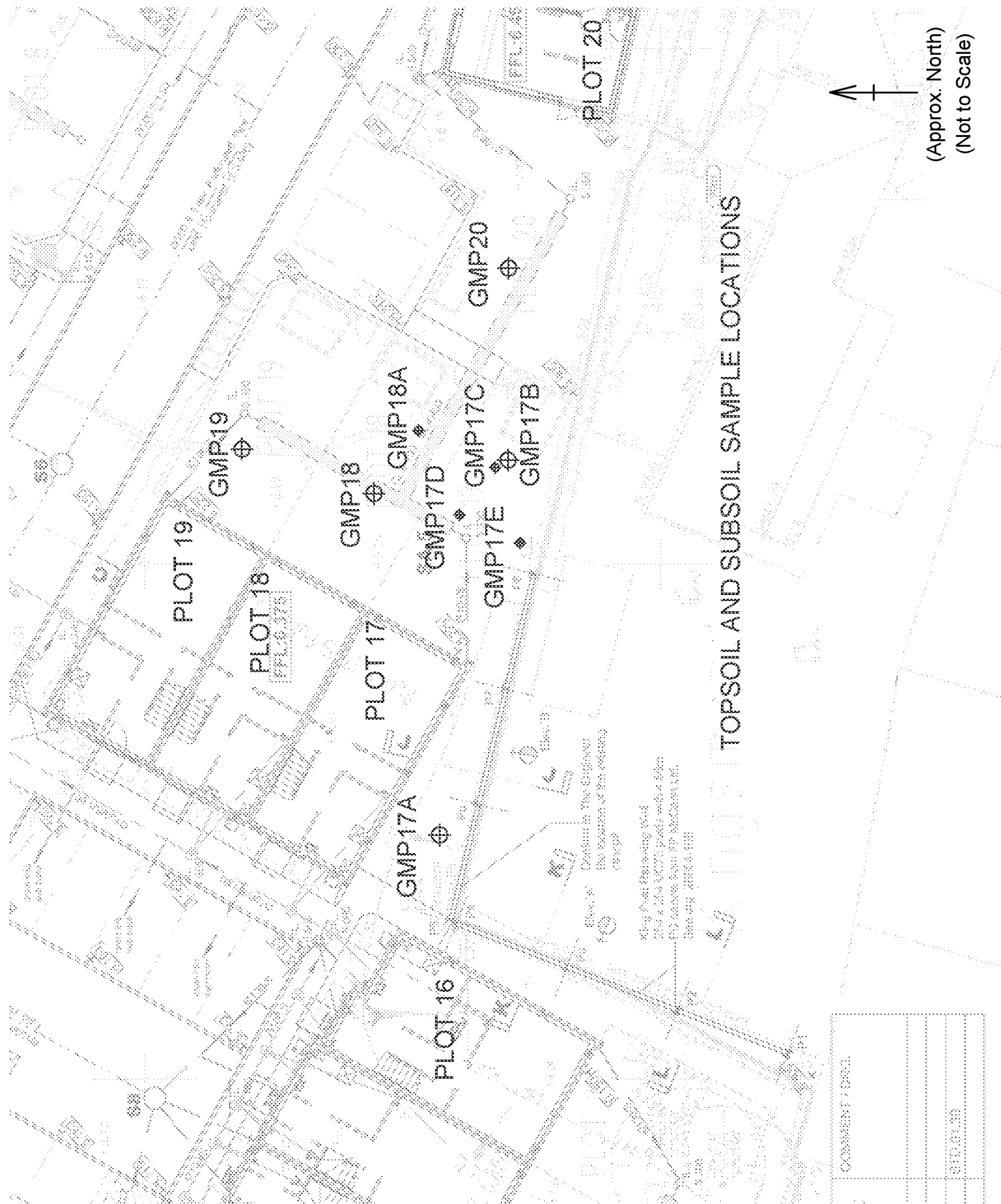
SECTION: Verification Report - Phase 1 Plots 16-20.

CHECKED: AJHT

TITLE: Verification Sample Location Plan

DATE: Dec 2018

HOLE LOCATIONS SHOWN ARE INDICATIVE ONLY UNLESS DIMENSIONED



Ground Management Ltd

Civil and Geotechnical Engineering Services

Robin Hill Farm, Clay Lane, Fishbourne
CHICHESTER, West Sussex PO18 8AB
Phone/Fax 01243 575073

PROJECT NO: G6308

FIGURE REF: Figure 6

PROJECT: Land at Kings Close Yapton

PREPARED: AJHT

SECTION: Verification Report - Phase 2 (Plots 9 - 12 & 14 -15)

CHECKED: AJHT

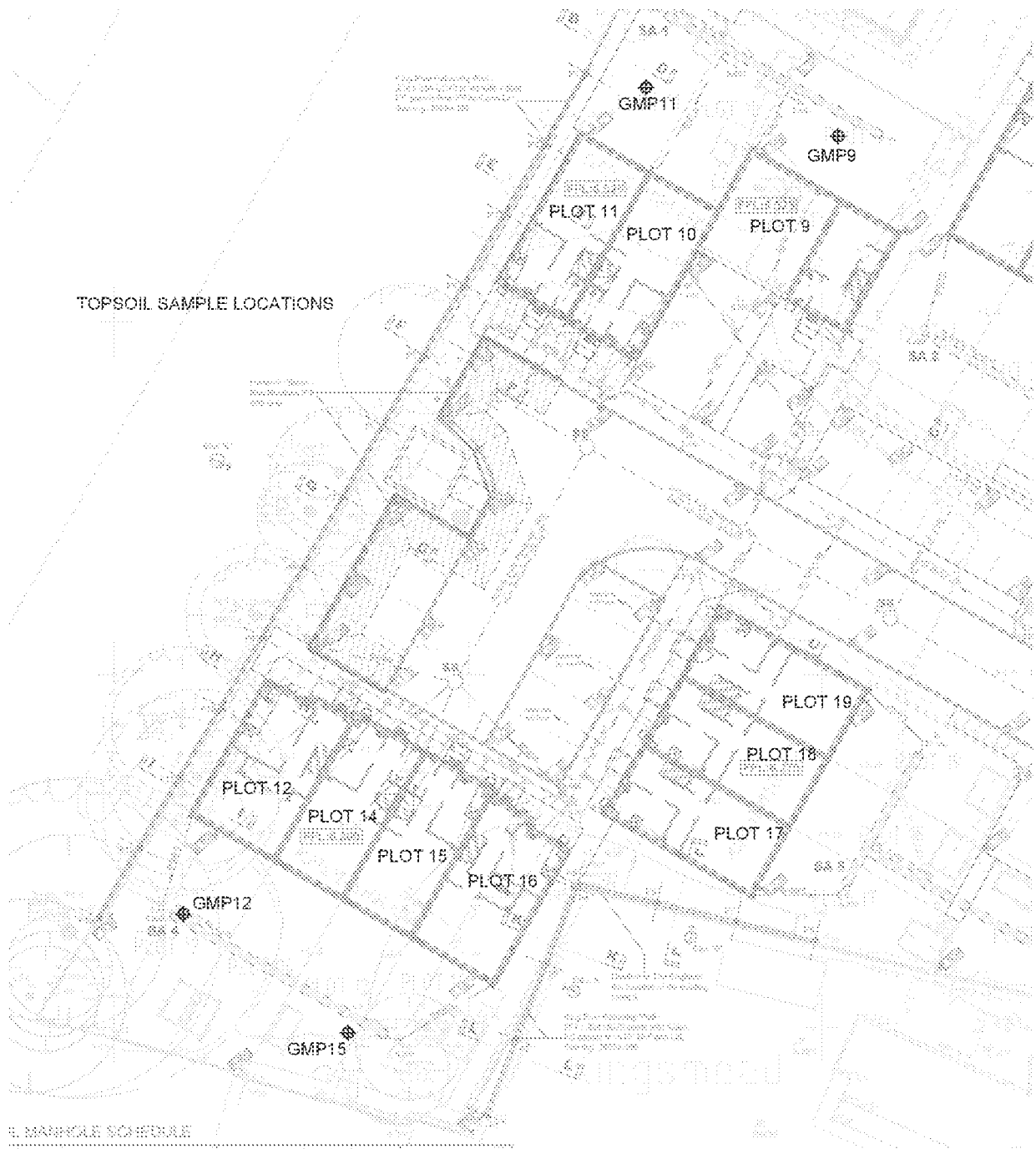
TITLE: Verification Sample Location Plan

DATE: Feb 2018

HOLE LOCATIONS SHOWN ARE INDICATIVE ONLY UNLESS DIMENSIONED



(Approx. North)
(Not to Scale)



APPENDICES

- Appendix 1:** **SoilFix Final Report (Under separate cover)**
- Appendix 2:** **Information relating to removal of soils**
- Appendix 3:** **Information relating to placement of cover system:**
 3.1 Excavation formation levels
 3.2 Geotextile Marker Layer
 3.3 Pre-supply test results
 3.4 Topsoil and subsoil verification test results
 3.5 Selected photographs
- Appendix 4:** **Criteria for imported soil**
- Appendix 5:** **Piling details**
- Appendix 6:** **Details of mains water supply network**

Appendix 1: SoilFix Final Report (Under separate cover)

Appendix 2: Information relating to removal of soils

The Hazardous Waste Regulations 2005: Consignment Note



Environment
Agency

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

- 1 Consignment note code: **SOILFI / 00009**
- 2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):
Soilfix, Kings Close, Yapton, West Sussex. BN18 0EX
- 3 The waste will be taken to (name, address and postcode):
Mick George, Mepal Soil & Waste Treatment Centre, Block Fen Drove, Mepal. CB6 2AY
- 4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

Ref No WAF9901

PART B Description of the waste

If continuation sheet used, tick here ☐

- 1 The process giving rise to the waste(s) was: **Demolition**
- 2 SIC (2007) for the process giving rise to the waste: **43. 11 / 0**
- 3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
Ref TP01 & TP03			Component	Concentration (% or mg/kg)			
Hazardous Metal	1 7 0 5 0 3	20000	Copper	0.3%	Solid	HP7	8 wheel
Contam Soil			Lead	0.1%		HP14	tipper

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
1 7 0 5 0 3					

PART C Carrier's certificate

PART D Consignor's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where the consignment is collected from a fixed site, the site name and collection number are:

1 **Carrier name:** **Steven Smith**

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

Selby's Garage Ltd, Main Street, Woodhouse Eaves. LE12 8RY

2 Carrier registration no./reason for exemption:

CBDU94738

3 Vehicle registration no. (or mode of transport, if not road): **BU14WFN**

Signature

Date **13/07/2018**

Time **10:20**

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

Signature

Date **13/7/18**

Time **10:00**

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)

1 I received this waste at the address given in A3 on: Date **13/07/2018** Time **10:00**

2 Vehicle registration no. (or mode of transport if not road):

Name:

3 Where waste is rejected please provide details:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

I certify that waste permit/exempt waste operation number:

authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Signature

Date **13/07/2018**

Time **10:00**

The Hazardous Waste Regulations 2005: Consignment Note

PART A Notification details

- 1 Consignment note code: SCICFI10001N
- 2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):
- 3 The waste will be taken to (name, address and postcode):
- 4 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):

PART B Description of the wasteIf continuation sheet used, tick here ☐

- 1 The process giving rise to the waste(s) was:
- 2 SIC (2007) for the process giving rise to the waste: 1
- 3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
HARAZOUS METAL	170503	2000	COPPER	0.3%	SOLID	H373	8 L WHEEL
CONTAM SOIL			CEAD	0.1%		H310	TRANSP.

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
170503					

PART C Carrier's certificate(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here. ☐)

I certify that I today collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements.

Where this note comprises part of a multiple collection the round number and collection number are:

- 1 Carrier name: S+S TRANSPORT LTD
On behalf of (name, address, postcode, telephone, e-mail, facsimile):

- 2 Carrier registration no./reason for exemption:

CD2466791

- 3 Vehicle registration no. (or mode of transport, if not road):

Signature

Date 26/7/18 Time 08:47**PART D Consignor's certificate**

I certify that the information in A, B and C has been completed and is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

- 1 Consignor name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

Signature

Date 26/7/18 Time 08:47**PART E Consignee's certificate** (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)

- 1 I received this waste at the address given in A3 on: Date 26/7/18 Time 08:47
- 2 Vehicle registration no. (or mode of transport if not road):
- 3 Where waste is rejected please provide details:

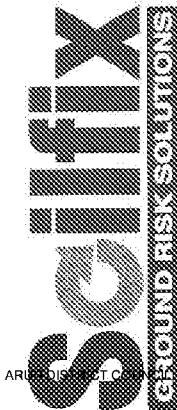
I certify that waste permit/exempt waste operation number:

authorises the management of the waste described in B at the address given in A3.

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Signature

Date 26/7/18 Time 08:47



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Site018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Carrier

WASTE TRANSFER NOTE

Customer/Producer
Kings Close
Address
Yapton, Arundel, BN18 0XY
Driver's Name
DANIEL
Vehicle Reg
R207 CMZ
Vehicle Owner
YOS

Date
Time
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Lorry Capacity
6 Wheel
8 Wheel
Other

Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight
32.00
Tare Weight
Net Weight

Description of Lead
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Inert
Soil & Stone
Construction & Demolition
Waste
Non Hazardous
Soil & Stone
Other
Description of Material
Non Haz soil & stone
SIC Code
3900
SP No

Customers Signature
Print Name

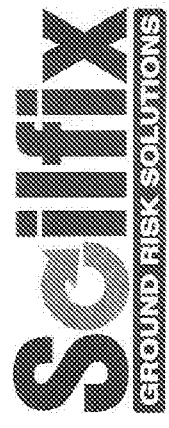
Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No
CB/NE5986WH

Signed for
Carrier
Signed for
Scilix Ltd
Issued by
CFA

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Site018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Carrier



WASTE TRANSFER NOTE

Customer/Producer
Kings Close
Address
Yapton, Arundel, BN18 0XY
Driver's Name
DAN
Vehicle Reg
HX10 AGG
Vehicle Owner

Date
Time
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Lorry Capacity
6 Wheel
8 Wheel
Other

Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight
32.00
Tare Weight
Net Weight

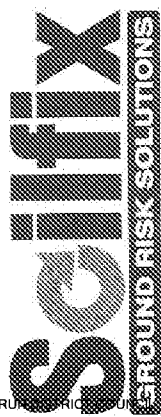
Description of Lead
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Inert
Soil & Stone
Construction & Demolition
Waste
Non Hazardous
Soil & Stone
Other
Description of Material
Non Haz soil & stone
SIC Code
3900
SP No

Customers Signature
Print Name
DAN

Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No
CB/NE5986WH

Signed for
Carrier
Signed for
Scilix Ltd
Issued by
CFA



Customer/Producer Solifix Ltd
Address Kings Close
Yapton, Arundel, BN18 0XY
Driver's Name Danny Exor CMZ
Vehicle Reg 400
Vehicle Owner 400

Lorry Capacity 5 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight
Net Weight

WASTE TRANSFER NOTE

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ **Construction & Demolition** ☐ **Non Hazardous** ☒ **Other** ☐
Soil & Stone EWC17-05-04 Soil & Stone EWC17-05-04

Description of Material Non Haz soil & stone
SIC Code 39 00

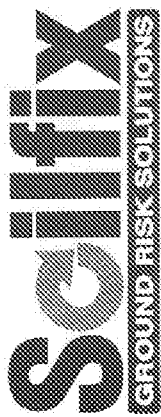
Customers Signature
Print Name

Name & Address of Carrier Elite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No. CB/NE5986WH
The undersigned confirms that the details given above are correct
Signed for Solifix Ltd
Carrier

Issued by

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399



Customer/Producer Solifix Ltd
Address Kings Close
Yapton, Arundel, BN18 0XY
Driver's Name Nico LM61 SZL
Vehicle Reg 400
Vehicle Owner 400

Lorry Capacity 6 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight
Net Weight

WASTE TRANSFER NOTE

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ **Construction & Demolition** ☐ **Non Hazardous** ☒ **Other** ☐
Soil & Stone EWC17-05-04 Soil & Stone EWC17-05-04

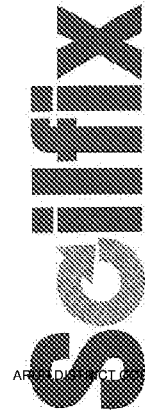
Description of Material Non Haz soil & stone
SIC Code 39 00

Customers Signature
Print Name

Name & Address of Carrier Elite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No. CB/NE5986WH
The undersigned confirms that the details given above are correct
Signed for Solifix Ltd
Carrier

Issued by



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form SHG18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Carrier

GROUND RISK SOLUTIONS

WASTE TRANSFER NOTE

Customer/Producer
Kings Close
Yapton, Arundel, BN18 0XY

Driver's Name
Nico

Vehicle Reg
CPA 61

Vehicle Owner
SEL

Date
9/7/18

Time
1.00

Daywork

Loadwork

Hours Worked/Waiting

Travel Time

Total Time

Lorry Capacity
6 Wheel ☐ 8 Wheel ☒

Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Gross Weight
32.00

Tare Weight

Net Weight

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐

Description of Material
Non Haz soil & stone

SIC Code
39.00

SP No

Customers Signature

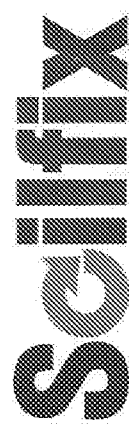
Print Name

Carrier Licence No
CB/NE5986WH

The carrier signed

Signed for
Solifix Ltd

Issued by
CPA



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form SHG18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Ca

GROUND RISK SOLUTIONS

WASTE TRANSFER NOTE

Customer/Producer
Kings Close
Yapton, Arundel, BN18 0XY

Driver's Name
DAN

Vehicle Reg
HX10 AEG

Vehicle Owner
YES

Date
9/7/18

Time
8.45

Daywork

Loadwork

Hours Worked/Waiting

Travel Time

Total Time

Lorry Capacity
6 Wheel ☐ 8 Wheel ☒ Other ☐

Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Gross Weight
32.00

Tare Weight

Net Weight

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐

Description of Material
Non Haz soil & stone

SIC Code
39.00

SP No

Customers Signature

Print Name
DAN

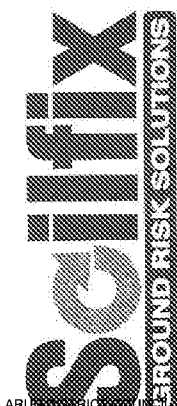
Name & Address of Carrier
Elite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6OA

Carrier Licence No
CB/NE5986WH

The carrier signed

Signed for
Solifix Ltd

Issued by
CPA



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

Pink Copy - Carrier

REPORT - ADDRESSEE

Авторы: - Кочетков

Pink Copy - Carrier

GROUND RISK SOLUTIONS

Customer/Producer Kings Close	Sollix Ltd
Address Yapton, Arundel, BN18 0XY	
Driver's Name Mark	
Vehicle Reg MVIS R110	
Vehicle Owner Yes	
Date 18/7/18	
Time 11.15	
Daywork	
Loatwork	
Hours Worked/Waiting	
Travel Time	
Total Time	

Lorry Capacity	6 Wheel ☐	8 Wheel ☒	Other
Tip Name/Address		Gross Weight	
Arlinks Golf Club		32.00	
Southall Lane, Hounslow, TW5 9PE		Tare Weight	
		Produced by the unregistered copy	
		Net Weight	

WASTE TRANSFER NOTE

Description of Loss	Date	Amount	Description of Material	Customer's Ship
I confirm that I have notified the	Ward	Sail & Stone EWC17-06-04	Description of Material	Customer's Ship

Name: & Address of Carrier
Kazimierz
Carrier Licence No.
Signed for
Carrier

to apply the waste hierarchy as required by Regulation 11.

Construction Demolition Waste
Non Hazardous Soil
Non Haz Soil & Stone

Pr

House, Green Street, Sur
CE/NE5936WH
Signed _____
Saffia _____

Ticket No 1601691

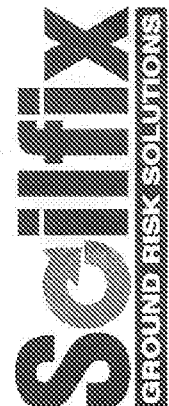
land and Values Regulations 2011:

Other ☐

SP No. _____

M.L.

es, TW16 80A
y, CA



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 773399

Pink Copy - Carrier

Yellow Copy - Lardell

WILLIAM - ADAMS

Pink Copy - Carrier

GROUND RISK SOLUTIONS

Customer/Producer Kings Close Address Yapion, Anundel, BN15 0XY	Sollix Ltd
Driver's Name Mark	Date 16/7/18
Vehicle Reg DV15 RHD	Time 8:00 AM
Vehicle Owner yes	Daywork
	Loatwork
	Hours Worked/Waiting
	Travel Time
	Total Time

Lorry Capacity	5 Wheel ☐	8 Wheel ☒	Other ☐	Unregistered CO2
Tip Name/Address				Gross Weight
Airinks Golf Club				32.00
Southall Lane, Hounslow, TW5 5PE				Tare Weight
				Nett Weight

Description of Loan I declare that I have added my \$ to the account of Mark Suh & Storke EWC 17-05-04	Description of Mortgage SIC Code _____ Customers Signature _____
--	---

Name & Address of Carrier
Peabody

Carrier Licence No.
The under signed certifies that

Signed for

☐ Construction
☒ Demolition
Waste Non Hazardous

Use, Green
CB/NF50X

Non
Hazardous
Soil & Stone
oil & stone

Signed for

Issued

Form 30018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Customer/Producer: **Scilfix Ltd**
Address: **Kings Close Yapton, Arundel, BN18 0XY**
Driver's Name: **MADE**
Vehicle Reg: **WV15 RHO**
Vehicle Owner: **yes**
Lorry Capacity: 5 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: **Airlinks Golf Club Southall Lane, Hounslow, TW5 9PE**

Printed by the unregistered copy of this document
Gross Weight: **32.00**
Tare Weight: **0.00**
Net Weight: **32.00**
Other: **0.00**

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
Description of Material: **Non Haz Soil & Stone**
SIC Code: **3900**
SP No: **0000**

Customers Signatures: **[Signature]**
Print Name: **M. Goosay**
Name & Address of Carrier: **Environmental Services Ltd Rizzbury House, Green Street, Sunbury on Thames, TW16 6QA**
Carrier Licence No: **CB/NE5986WH**
The undersigned confirms that the details given above are correct
Signed for: **[Signature]**
Suffix Ltd
Issued by: **CA**

Form 30018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

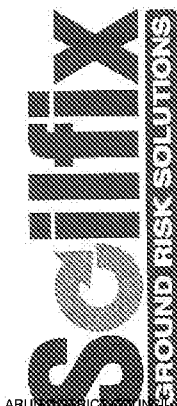
WASTE TRANSFER NOTE

Customer/Producer: **Scilfix Ltd**
Address: **Kings Close Yapton, Arundel, BN18 0XY**
Driver's Name: **MADE**
Vehicle Reg: **WV15 RHO**
Vehicle Owner: **yes**
Lorry Capacity: 5 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: **Airlinks Golf Club Southall Lane, Hounslow, TW5 9PE**

Printed by the unregistered copy of this document
Gross Weight: **32.00**
Tare Weight: **0.00**
Net Weight: **32.00**
Other: **0.00**

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
Description of Material: **Non Haz soil & stone**
SIC Code: **3900**
SP No: **0000**

Customers Signatures: **[Signature]**
Print Name: **MADE**
Name & Address of Carrier: **Environmental Services Ltd Rizzbury House, Green Street, Sunbury on Thames, TW16 6QA**
Carrier Licence No: **CB/NE5986WH**
The undersigned confirms that the details given above are correct
Signed for: **[Signature]**
Suffix Ltd
Issued by: **CA**



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0PS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Yellow Copy - Landfill
Pink Copy - Carrier
Form Site018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Customer/Producer: Soilfix Ltd / Kings Close
Address: Yapton, Arundel, BN18 0XY
Driver's Name: Nico
Vehicle Reg: LY61 SZL
Vehicle Owner: [Signature]
Lorry Capacity: 5 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Date: 23/7/18
Time: 1:00
Daywork: ☐
Loadwork: ☐
Hours Worked/Waiting: ☐
Travel Time: ☐
Total Time: ☐

Printed by the unregistered copy of

Gross Weight: 32.00
Tare Weight: ☐
Net Weight: ☐
Printed by the unregistered copy of

Description of Load

Inert Soil & Stone EWC17-05-04
Construction & Demolition Waste EWC17-05-04
Non Hazardous Soil & Stone EWC17-05-04
Other ☐
Description of Material: Non Haz soil & stone
SP No: ☐

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0PS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Yellow Copy - Landfill
Pink Copy - Carrier
Form Site018 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Customer/Producer: Soilfix Ltd / Kings Close
Address: Yapton, Arundel, BN18 0XY
Driver's Name: Danny
Vehicle Reg: PX07 CMZ
Vehicle Owner: Yes
Lorry Capacity: 5 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Date: 23/7/18
Time: 1:05
Daywork: ☐
Loadwork: ☐
Hours Worked/Waiting: ☐
Travel Time: ☐
Total Time: ☐

Description of Load

Inert Soil & Stone EWC17-05-04
Construction & Demolition Waste EWC17-05-04
Non Hazardous Soil & Stone EWC17-05-04
Other ☐
Description of Material: Non Haz soil & stone
SP No: ☐

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customers Signature: _____
Print Name: _____
Carrier Licence No: CB/NE5986WH
Issued by: CPA
Signed for: [Signature]
Soilfix Ltd

Customer/Producer
Kings Close
Address
Yapton, Arundel, BN18 0XY

Driver's Name
MAK
Vehicle Reg
MV15 RHO
Vehicle Owner
yes

Lorry Capacity
6 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Date
18/7/18
Time
8:00 AM
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Printed by the unregistered copy of
Other

Gross Weight
32.00
Tare Weight
Net Weight

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
Description of Material
Non Haz soil & stone
SIC Code
SP No

Customers Signature
Print Name
M. Goosay
Name & Address of Carrier
Rizbury House, Green Street, Sunbury on Thames, TW16 6GA
Carrier Licence No
CB/NE5986WH
The under signed confirms that the details given above are correct
Signed for
Suffix Ltd
Issued by
FA

Customer/Producer
Kings Close
Address
Yapton, Arundel, BN18 0XY

Driver's Name
MAK
Vehicle Reg
MV15 RHO
Vehicle Owner
yes

Lorry Capacity
6 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address
Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Date
18/7/18
Time
11:15
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Printed by the unregistered copy of
Other

Gross Weight
32.00
Tare Weight
Net Weight

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
Description of Material
Non Haz soil & stone
SIC Code
SP No

Customers Signature
Print Name
MAK
Name & Address of Carrier
Rizbury House, Green Street, Sunbury on Thames, TW16 6GA
Carrier Licence No
CB/NE5986WH
The under signed confirms that the details given above are correct
Signed for
Suffix Ltd
Issued by
FA

Scilix

GROUND RISK SOLUTIONS

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820026
 23 Bellingham Lane, Rayleigh, Essex, S56 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy

Form SRS018 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358

WASTE TRANSFER NOTE

Ticket No 16101

Customer/Producer Kings Close	Date 23/7/13
Address Yapton, Arundel, BN18 0XY	Time 6.00
Driver's Name WCO	Daywork Loadwork
Vehicle Reg LM61 SZL	Hours Worked/Waiting
Vehicle Owner WCO	Travel Time
	Total Time

Lorry Capacity 6 Wheel ☐ 8 Wheel ☒ Other ☐	Scrap Weight 37.00
Tip Name/Address Airlinks Golf Club	Tare Weight
Southall Lane, Hounslow, TW5 9PE	Net Weight

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert
Soil &
Stone EWC17-05-04Construction
& Demolition
Waste EWC17-05-04Non
Hazardous
Soil & Stone EWC17-05-04Other ☐

Description of Material(s)

SIC Code

SP No

Customers Signature

Print Name

Name & Address of Carrier

Ritebury House, Green Street, Sunbury on Thames, TW16 6QA

Form Pilot: www.colapilot.com

The under signed

Signed for

Signed for

Solifix Ltd

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820026
 23 Bellingham Lane, Rayleigh, Essex, S56 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form SRS018 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 16098

Customer/Producer Kings Close	Date 23/7/13
Address Yapton, Arundel, BN18 0XY	Time 9.30
Driver's Name JAWY	Daywork Loadwork
Vehicle Reg KX07 Cuz	Hours Worked/Waiting
Vehicle Owner WOS	Travel Time
	Total Time

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert
Soil &
Stone EWC17-05-04Construction
& Demolition
Waste EWC17-05-04Non
Hazardous
Soil & Stone EWC17-05-04Other ☐

Description of Material(s)

SIC Code

SP No

Customers Signature

Print Name

Lorry Capacity 6 Wheel ☐ 8 Wheel ☒ Other ☐

Tip Name/Address Airlinks Golf Club

Southall Lane, Hounslow, TW5 9PE

Scrap Weight 37.00

Tare Weight

Name & Address of Carrier

Ritebury House, Green Street, Sunbury on Thames, TW16 6QA

Form Pilot: www.colapilot.com

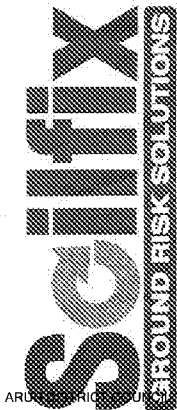
The under signed confirms that the details given above are correct

Signed for

Solifix Ltd

Issued by

[Signature]



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form SRS018 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 16105

Customer/Producer Address Yapton, Arundel, BN18 0XY	Solifix Ltd / Petal Kings Close
Driver's Name Vehicle Reg Vehicle Owner	Nico UMB NB SZL

Date Time Daywork Loadwork Hours Worked/Waiting Travel Time Total Time	24/17/18 12.30
--	---

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EMC17-05-04	Construction & Demolition Waste EMC17-05-04	Non Hazardous Soil & Stone EMC17-05-04	Other
---	--	---	-------

Description of Material
SP No

SIC Code

Customers Signature

Print Name

Lorry Capacity Tip Name/Address Southall Lane, Hounslow, TW5 9PE	6 Wheel 8 Wheel Other
Gross Weight Tare Weight Net Weight	32.00

Offered by the unregistered copy of Form SRS018 Waste Transfer Note - Rev B

Carrier Licence No. The under signed confirms Signed for	
--	--------------

Carrier Licence No. The under signed confirms Signed for

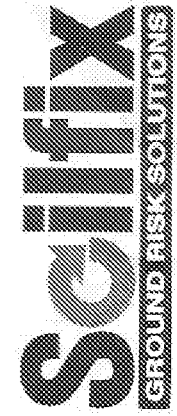
Signature of Consignor

Signature of Carrier

Signature of Landfill

Signature of Other

Signature of Consignor



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy

Form SRS018 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 16104

Customer/Producer Address Yapton, Arundel, BN18 0XY	Solifix Ltd / Petal Kings Close
Driver's Name Vehicle Reg Vehicle Owner	Danny X077 GOS CMC

Date Time Daywork Loadwork Hours Worked/Waiting Travel Time Total Time	24/17/18 12.30
--	---

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EMC17-05-04	Construction & Demolition Waste EMC17-05-04	Non Hazardous Soil & Stone EMC17-05-04	Other
---	--	---	-------

Description of Material
SP No

SIC Code

Customers Signature

Print Name

Lorry Capacity Tip Name/Address Southall Lane, Hounslow, TW5 9PE	6 Wheel 8 Wheel Other
--	-----------------------------

Offered by the unregistered copy of Form SRS018 Waste Transfer Note - Rev B

Signature of Consignor

Signature of Carrier

Signature of Landfill

Signature of Other

Signature of Consignor

Gross Weight
Tare Weight
Net Weight

Signature of Consignor

Signature of Carrier

Signature of Landfill

Signature of Other

Signature of Consignor

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form S16016 Waste Transfer Note - Rev 8

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Customer/Producer Scilix Ltd / Public
Address Kings Close
Yapton, Arundel, BN18 0XY
Driver's Name ALCO
Vehicle Reg LM61 SZL
Vehicle Owner X

Lorry Capacity ☐ 6 Wheel ☐ 8 Wheel ☐ Other ☐
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight 32.00
Net Weight 0.00

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Inert ☐ Construction & Demolition ☐ Non Hazardous ☐ Other ☐
Soil & Stone EWC17-05-04 Waste EWC17-09-04 Soil & Stone EWC17-05-04

Description of Material Non Haz soil & stone SP No. 3900
SIC Code 3900

Customers Signature [Signature] Print Name [Name]

Name & Address of Carrier Flite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA
Carrier Licence CB/EE5503GF
The order signed on behalf of the carrier [Signature]
Signed for Scilix Ltd

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form S16016 Waste Transfer Note - Rev 8

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Customer/Producer Scilix Ltd / Public
Address Kings Close
Yapton, Arundel, BN18 0XY
Driver's Name David G
Vehicle Reg EX07 DMZ
Vehicle Owner gas

Lorry Capacity ☐ 6 Wheel ☐ 8 Wheel ☐ Other ☐
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight 32.00
Net Weight 0.00

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

Inert ☐ Construction & Demolition ☐ Non Hazardous ☐ Other ☐
Soil & Stone EWC17-05-04 Waste EWC17-09-04 Soil & Stone EWC17-05-04

Description of Material Non Haz soil & stone SP No. 3900
SIC Code 3900

Customers Signature [Signature] Print Name [Name]

Name & Address of Carrier Flite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA
Carrier Licence No. CB/EE5503GF
The order signed confirms that the details above are correct [Signature]
Signed for Scilix Ltd

Silix

Telephone: (01179) 820025 Fax: (01179) 820026

23 Bellinham Lane, Rayleigh, Essex, SS6 7ED

Telephone: (01268) 502272 Fax: (01268) 779399

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 101069

Excerpt from the book

DATE 8/11/87 TIME 1:00 PM

Customer/Producer	Sollfix Ltd / PLC	Date	25/7/18
Address	Kings Closs Yapton, Arundel, BN18 0XY	Time	7.30
Driver's Name	Danny	Daywork	
Vehicle Reg	KX07 DJZ	Loadwork	
Vehicle Owner	yes	Hours Worked/Waiting	
		Travel Time	
		Total Time	

Date	2/27/18
Time	7:30
Daywork	
Loadwork	
Hours Worked/Waiting	
Travel Time	
Total Time	

Lorry Capacity	5 Wheel ☐	8 Wheel ☒	Other
Tip Name/Address		Gross Weight	
Airlinks Golf Club		32.00	
Southall Lane, Hounslow, TW5 0PE		Tare Weight	
		Purchased by the unregistered owner	
		Nett Weight	

Customers Signature _____ Print Name _____

Name & Address of Contractor
E-life City Environmental Services Ltd
Kizbury House, Green Street, Sunbury on Thames, TW16 6QA

CEANE3986WH

Carrier Licence NO. [REDACTED] Issued by [REDACTED]

The undersigned hereby declares that the above particulars are correct

Signed for [REDACTED] Signed for [REDACTED]
 Carrier [REDACTED] Carrier [REDACTED]

Pink Copy - Carrier

Yellow Copy - Landfill

White Copy - Consideration

Telephone: (01179) 820025 Fax: (01179) 820026

23 Bellingham Lane, Rayleigh, Essex, SS6 7ED

Telephone: (01268) 502272 Fax: (01268) 779399

Registered Waste Carrier	CB/EE503GF	V.A.T. reg No.	850 358 820
--------------------------	------------	----------------	-------------

WASTE TRANSFER NOTE

Ticket No 16107

2009-10-26 10:10:10

Date 7/25/13

Customer/Producer	Scillix Ltd / <i>PAK</i>
Address	Kings Close Yapton, Arundel, BN18 0XY
Driver's Name	<i>NICO</i>
Vehicle Reg	<i>LM61 SZL</i>
Vehicle Owner	<i>NB</i>
Date	<i>22/5/19</i>
Time	<i>800</i>
Daywork	
Loadwork	
Hours Worked/Waiting	
Travel Time	
Total Time	

Date 7/25/19
Time 8:00
Daywork _____
Loadwork _____
Hours Worked/Waiting _____
Travel Time _____
Total Time _____

Lorry Capacity	5 Wheel ☐	8 Wheel ☒	Other _____
Tip Name/Address Airlinks Golf Club Southall Lane, Hounslow, TW5 9PE			
	Gross Weight	Tare Weight	
	<i>32.00</i>		

Customers Signature _____ Print Name _____

Name & Address of Carrier
 Elite GB Environmental Services Ltd
 Ritzbury House, Green Street, Sunbury on Thames, TW16 60A

CONFIDENTIAL

The undersigned certifies that the above named person is duly licensed as a carrier under the Motor Vehicle License Act of 1967.

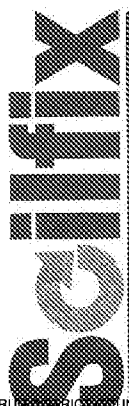
Signed for _____

Correct

Signed for _____

Correct

Carnier Licence M
issued by _____



GROUND RISK SOLUTIONS

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form SDC18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Carrier

WASTE TRANSFER NOTE

Customer/Producer: Solifix Ltd / Plowage
Address: Yapton, Arundel, BN18 0XY
Driver's Name: DANNY
Vehicle Reg: RX07 Cuz
Vehicle Owner: YES
Lorry Capacity: 6 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Date: 25/7/18
Time: 12.55
Daywork: ☐ Loadwork: ☐
Hours Worked/Waiting:
Travel Time:
Total Time:
Gross Weight:
Tare Weight:
Net Weight:
Signed by the unregistered copy of this document

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Insert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☐ Other ☐
Description of Material: Non Haz soil & stone
SP No:
SIC Code: 39 00

Customers Signature:
Print Name:
Name & Address of Carrier: Solifix Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA
Carrier Licence No: CB/NE5986WH
Issued by: EFA
Signed for:
Carrier: Solifix Ltd



GROUND RISK SOLUTIONS

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

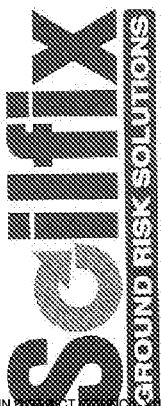
White Copy - Consignor
Form SDC18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Yellow Copy - Landfill
Pink Copy - Carrier

WASTE TRANSFER NOTE

Customer/Producer: Solifix Ltd / Plowage
Address: Yapton, Arundel, BN18 0XY
Driver's Name: NICO
Vehicle Reg: LMB1 SZL
Vehicle Owner: NO
Lorry Capacity: 6 Wheel ☐ 8 Wheel ☒ Other ☐
Tip Name/Address: Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Date: 25/7/18
Time: 12.00
Daywork: ☐ Loadwork: ☐
Hours Worked/Waiting:
Travel Time:
Total Time:
Gross Weight:
Tare Weight:
Net Weight:
Signed by the unregistered copy of this document

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
Insert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone EWC17-05-04 ☐ Other ☐
Description of Material: Non Haz soil & stone
SP No:
SIC Code: 39 00

Customers Signature:
Print Name:
Name & Address of Carrier: Solifix Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA
Carrier Licence No: CB/NE5986WH
Issued by: EFA
Signed for:
Carrier: Solifix Ltd



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Sheet 18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

Yellow Copy - Landfill
Pink Copy - Carrier

Ticket No 16116

WASTE TRANSFER NOTE

Customer/Producer Kings Close
Address Yapton, Arundel, BN18 0XY

Driver's Name NICO
Vehicle Reg LM61 SZL
Vehicle Owner NB

Date 26/7/18
Time 8.00
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Lorry Capacity 6 Wheel ☐ 8 Wheel ☒ Other ☐

Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Gross Weight 32.00
Tare Weight
Net Weight

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

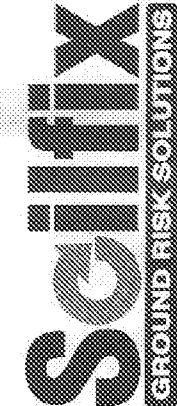
Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☐ Other ☐
EWC17-05-04 EWC19-04 EWC17-05-04

Description of Material Non Haz Soil & Stone
SIC Code 3900
SP No

Customers Signature
Print Name

Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Signature of Carrier
The undersigned confirms that the information provided is correct
Signed for Scilix Ltd
Issued by CA



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Sheet 18 Waste Transfer Note - Rev B
Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

Yellow Copy - Landfill
Pink Copy - Carrier

Ticket No 16110

WASTE TRANSFER NOTE

Customer/Producer Kings Close
Address Yapton, Arundel, BN18 0XY

Driver's Name Tony
Vehicle Reg PO64 APO
Vehicle Owner yes

Date 26/7/18
Time 8.15
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Lorry Capacity 6 Wheel ☐ 8 Wheel ☒ Other ☐

Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

Gross Weight 32.00
Tare Weight
Net Weight

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☐ Other ☐
EWC17-05-04 EWC19-04 EWC17-05-04

Description of Material Non Haz Soil & Stone
SIC Code 3900
SP No

Customers Signature
Print Name

Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Signature of Carrier
The undersigned confirms that the information provided is correct
Signed for Scilix Ltd
Issued by CA

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Form S1618 Waste Transfer Note - Rev 6

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358 820

Yellow Copy - Landfill

Pink Copy - Carrier

WASTE TRANSFER NOTE

Ticket No 16108

Customer/Producer Scilix Ltd 10 St. Martins
Address Kings Close
Yapton, Anundel, BN18 0XY
Driver's Name Andy Clark
Vehicle Reg EST 65F
Vehicle Owner YES

Lorry Capacity ☐ 5 Wheel ☐ 4 Wheel ☒ 3 Wheel
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight
Net Weight

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐
SP No
Description of Material Non Haz soil & stone
SIC Code 39.00

Customer's Signature _____ Print Name _____
Carrier Licence No. CB/NE5986WH Issued by CA
Signed for Scilix Ltd
The under signed confirms that the details given above are correct
Signed for www.scilix.co.uk

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Form S1618 Waste Transfer Note - Rev 6

Registered Waste Carrier CB/EE5503GF

V.A.T. reg No. 850 358 820

Yellow Copy - Landfill

Pink Copy - Carrier

WASTE TRANSFER NOTE

Ticket No 16109

Customer/Producer Scilix Ltd 10 St. Martins
Address Kings Close
Yapton, Anundel, BN18 0XY
Driver's Name Andy Clark
Vehicle Reg EST 65F
Vehicle Owner YES

Date 27/7/18
Time 8.00
Daywork
Loadwork
Hours Worked/Waiting
Travel Time
Total Time

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐
SP No
Description of Material Non Haz soil & stone
SIC Code 39.00

Lorry Capacity ☐ 6 Wheel ☐ 4 Wheel ☒ 3 Wheel
Tip Name/Address Airlinks Golf Club
Southall Lane, Hounslow, TW5 9PE
Gross Weight 32.00
Tare Weight
Net Weight

Customer's Signature _____ Print Name _____
Name & Address of Carrier File CB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA
Carrier Licence No. CB/EE5503GF
Signed for Scilix Ltd
The under signed confirms that the details given above are correct
Signed for www.scilix.co.uk

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Sheet 013 Waste Transfer Note - Rev B
Yellow Copy - Landfill
Pink Copy - Carrier

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Ticket No 16119

WASTE TRANSFER NOTE

Customer/Producer Kings Close		Date 30/7/18
Address Yapton, Arundel, BN18 0XY		Time 8:00
Driver's Name Avery		Daywork
Vehicle Reg E211 EJP		Loadwork
Vehicle Owner YPS		Hours Worked/Waiting
		Travel Time
		Total Time

Lorry Capacity 6 Wheel ☐ & Wheel ☒ Other ☐	Gross Weight 32.00
Tip Name/Address Airlinks Golf Club	Tare Weight
Southall Lane, Hounslow, TW5 9PE	Net Weight

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐
EWCT17-05-04 EWCT17-05-04 EWCT17-05-04

Description of Material
Non Haz soil & stone
SP No

SIC Code 3900

Customers Signature _____
Print Name _____

Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No. CB/EE5503GF
Issued by CA

Signed for Carrier
Signed for Solifix Ltd

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
Telephone: (01179) 820025 Fax: (01179) 820026
23 Bellingham Lane, Rayleigh, Essex, S56 7ED
Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor
Form Sheet 013 Waste Transfer Note - Rev B
Yellow Copy - Landfill
Pink Copy - Carrier

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820
Ticket No 16111

WASTE TRANSFER NOTE

Customer/Producer Kings Close		Date 30/7/18
Address Yapton, Arundel, BN18 0XY		Time 7:45
Driver's Name Tava		Daywork
Vehicle Reg PO64 PAO		Loadwork
Vehicle Owner YPS		Hours Worked/Waiting
		Travel Time
		Total Time

Lorry Capacity 6 Wheel ☐ & Wheel ☒ Other ☐	Gross Weight
Tip Name/Address Airlinks Golf Club	Tare Weight
Southall Lane, Hounslow, TW5 9PE	Net Weight

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert ☐ Construction & Demolition Waste ☐ Non Hazardous Soil & Stone ☒ Other ☐
EWCT17-05-04 EWCT17-05-04 EWCT17-05-04

Description of Material
Non Haz soil & stone
SP No

SIC Code 3900

Customers Signature _____
Print Name _____

Name & Address of Carrier
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No. CB/EE5503GF
Issued by CA

Signed for Carrier
Signed for Solifix Ltd



Ritzbury House, Bridge Foot, Green Street, Sunbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: Soil Fix Date: 7-8-18
Site Address: Yapton Vehicle Reg: EJOL MJC
Driver's Name: Kean

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete)
☒ 17.05.04 Soil & Stones (Inert)
☐ 17.09.04 Mixed Construction (Rubbish)
☐ 20.02.01 Garden/Park Waste (Biodegradable)
☐ ☐ ☐ ☐ ☐ Other (Specify) _____

QUANTITY
(As measured by customer)
8x4

Time on Site _____
Time off Site _____
Tipper ☐ Grab ☐

SIC Code: _____

WASTE DISPOSAL AUDIT

Tip Tkt. No. _____

Other Services _____

SALE OF MATERIALS	VOLUME	WEIGHT	TONNES
MATERIAL DESCRIPTION: <u>M/A</u>	<u>load</u>	Gross Weight of Vehicle at Weighbridge Tare Weight of Vehicle Net Weight	

N.B. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the aggregates, sub-base materials and arising materials being conveyed or disposed of in pursuance of the sale. An unsigned ticket is not a valid reason for non-payment of invoice.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver's Sig: _____
Signed: _____
Print Name: John
Cash/Cheque Received £ _____



Ritzbury House, Bridge Foot, Green Street, Sunbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: Soil Fix Date: 7-8-18
Site Address: Yapton Vehicle Reg: EJOL MJC
Driver's Name: Kean

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete)
☒ 17.05.04 Soil & Stones (Inert)
☐ 17.09.04 Mixed Construction (Rubbish)
☐ 20.02.01 Garden/Park Waste (Biodegradable)
☐ ☐ ☐ ☐ ☐ Other (Specify) _____

QUANTITY
(As measured by customer)
8x4

Time on Site _____
Time off Site _____
Tipper ☒ Grab ☐

SIC Code: _____

WASTE DISPOSAL AUDIT

Tip Tkt. No. _____

Other Services _____

SALE OF MATERIALS	VOLUME	WEIGHT	TONNES
MATERIAL DESCRIPTION: <u>M/A</u>	<u>load</u>	Gross Weight of Vehicle at Weighbridge Tare Weight of Vehicle Net Weight	

N.B. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the aggregates, sub-base materials and arising materials being conveyed or disposed of in pursuance of the sale. An unsigned ticket is not a valid reason for non-payment of invoice.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver's Sig: _____
Signed: _____
Print Name: John
Cash/Cheque Received £ _____



No. 86515

GB Environmental Services Ltd

Ritzbury House, Bridge Foot, Green Street, Surlbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: Soulfix Date: 1-8-18
Site Address: Kings Close Vehicle Reg: RO6UAD
Driver's Name: Yasven

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete)
☒ 17.05.04 Soil & Stones (Inert)
☐ 17.09.04 Mixed Construction (Rubbish)

☐ 20.02.01 Garden/Park Waste (Biodegradable)
☐ Other (Specify): Don't for m/a

WASTE DISPOSAL AUDIT

Tip Code

Tip Tht. No.

Other Services

SALE OF MATERIALS

MATERIAL DESCRIPTION:-

VOLUME

WEIGHT

TONNES

Gross Weight of
Vehicle at Weighbridge

Tare Weight of Vehicle

Nett Weight

N.B. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully, and inspect material against description and quantity and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot accept any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above are true and correct to the aggregate, sub-based materials and arising materials being conveyed or disposed of in accordance with the relevant reason for non-payment of invoices.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver's Signature: [Signature]
Print Name: [Name]
Cash/Cheque: £

All payments to be made to Elite GB Environmental Services Ltd. Waste Carrier License No. CB/NE5986WH
All business undertaken according to our Terms and Conditions, a copy of which is available upon request.



No. 86513

GB Environmental Services Ltd

Ritzbury House, Bridge Foot, Green Street, Surlbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: Soulfix Date: 1-8-18
Site Address: Kings Close Vehicle Reg: RO6UAD
Driver's Name: Yasven

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete)
☒ 17.05.04 Soil & Stones (Inert)
☐ 17.09.04 Mixed Construction (Rubbish)

☐ 20.02.01 Garden/Park Waste (Biodegradable)
☐ Other (Specify): Don't for m/a

WASTE DISPOSAL AUDIT

Tip Code

Tip Tht. No.

Other Services

SALE OF MATERIALS

MATERIAL DESCRIPTION:-

VOLUME

WEIGHT

TONNES

Gross Weight of
Vehicle at Weighbridge

Tare Weight of Vehicle

Nett Weight

N.B. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully, and inspect material against description and quantity and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot accept any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above are true and correct to the aggregate, sub-based materials and arising materials being conveyed or disposed of in accordance with the relevant reason for non-payment of invoices.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver's Signature: [Signature]
Print Name: [Name]
Cash/Cheque: £

All payments to be made to Elite GB Environmental Services Ltd. Waste Carrier License No. CB/NE5986WH
All business undertaken according to our Terms and Conditions, a copy of which is available upon request.



Ritzbury House, Bridge Foot, Green Street, Sunbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: SOIL EX Date: 07.08.18
Site Address: YAPTON Vehicle Reg: HX0AEG
Driver's Name: DAV

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete) ☐ 17.05.04 Soil & Stones (Inert) ☐ 17.09.04 Mixed Construction (Rubbish) ☐ 20.02.01 Garden/Park Waste (Biodegradable) ☐ Other (Specify) MIA

QUANTITY (As measured by customer) 1x8 SIC Code:

Time on Site ☐ Time off Site ☐ Tipper ☒ Grab ☐

WASTE DISPOSAL AUDIT

Other Services ☐ Tip Tot. No. ☐

SALE OF MATERIALS	VOLUME	WEIGHT	TONNES
MATERIAL DESCRIPTION: <u>now HAZ</u> <u>MUCK</u> <u>AWAY</u>	<u>1x8</u>	Gross Weight of Vehicle at Weighbridge Tare Weight of Vehicle Net Weight	

4.8. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before fully signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the appropriate, sub-based materials and arising materials being conveyed or disposed of in pursuance of the sale. An unsigned ticket is not a valid reason for non-payment of invoice.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver ☐ Sign ☐ Print Name DAV

Cash/Cheque Received £ ☐



Ritzbury House, Bridge Foot, Green Street, Sunbury on Thames TW16 6QA
Tel: 01932 782305 Fax: 01932 751114 Email: info@elite-environmental.com

DUTY OF CARE CONTROLLED WASTE TRANSFER NOTE

Customer: SOIL EX Date: 07.08.18
Site Address: YAPTON Vehicle Reg: HX0AEG
Driver's Name: DAV

EUROPEAN WASTE CODE

☐ 17.01.07 Clean Hardcore (Brick/Concrete) ☐ 17.05.04 Soil & Stones (Inert) ☐ 17.09.04 Mixed Construction (Rubbish) ☐ 20.02.01 Garden/Park Waste (Biodegradable) ☐ Other (Specify) MIA

QUANTITY (As measured by customer) 1x8 SIC Code:

Time on Site ☐ Time off Site ☐ Tipper ☒ Grab ☐

WASTE DISPOSAL AUDIT

Other Services ☐ Tip Tot. No. ☐

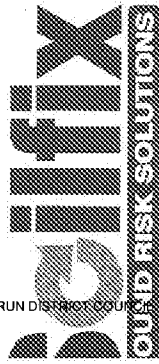
SALE OF MATERIALS	VOLUME	WEIGHT	TONNES
MATERIAL DESCRIPTION: <u>now HAZ</u> <u>MUCK</u> <u>AWAY</u>	<u>1x8</u>	Gross Weight of Vehicle at Weighbridge Tare Weight of Vehicle Net Weight	

4.8. To customers, authorised agents, representatives, or responsible persons signing this delivery ticket. This is in your interest. Please read this ticket carefully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before fully signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality, once the vehicle has left the site and a clear signature has been given. Certified that the above particulars are true and relate to the appropriate, sub-based materials and arising materials being conveyed or disposed of in pursuance of the sale. An unsigned ticket is not a valid reason for non-payment of invoice.

The waste management hierarchy has been considered in deciding the most appropriate waste management option.

Driver ☐ Sign ☐ Print Name DAV

Cash/Cheque Received £ ☐

Customer/Producer
Kings CloseAddress
Yapton, Arundel, BN18 0XYDriver's Name
DANVehicle Reg
HX10 AEGVehicle Owner
YOSCapacity
6 Wheel ☐ 8 Wheel ☒ Other ☐Name/Address
Arlinks Golf Club
Southall Lane, Hounslow, TW5 9PEGross Weight
32.00

Tare Weight

Net Weight

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820028
 23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

WASTE TRANSFER NOTE

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EWC17-05-04 ☐ Construction & Demolition Waste EWC17-05-04 ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐

Description of Material
Non Haz Soil & Stone

SIC Code
3900

Customers Signature
[Signature]

Print Name
DAN

Name & Address of Carrier
Elite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No
CB/NE5503GF

SP No

Yellow Copy - Landfill

White Copy - Consignor

Form Sheet 18 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

Ticket No 16095

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820028
 23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

WASTE TRANSFER NOTE

Description of Load
I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EWC17-05-04 ☐ Construction & Demolition Waste EWC17-05-04 ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐

Description of Material
Non Haz Soil & Stone

SIC Code
3900

Customers Signature
[Signature]

Print Name
DAN

Name & Address of Carrier
Elite GB Environmental Services Ltd
Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

Carrier Licence No
CB/NE5503GF

SP No

White Copy - Consignor

Form Sheet 18 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF V.A.T. reg No. 850 358 820

Yellow Copy - Landfill

Ticket No 16094

Pink Copy - Carrier

Yapton, Arundel, BN18 0XY

Driver's Name
DAN

Vehicle Reg
HX10 AEG

Vehicle Owner
YOS

Capacity
6 Wheel ☐ 8 Wheel ☒ Other ☐

Name/Address
Arlinks Golf Club
Southall Lane, Hounslow, TW5 9PE

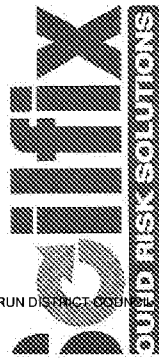
Gross Weight
32.00

Tare Weight

Net Weight

Carrier Licence No
CB/NE5503GFIssued by
[Signature]

The undersigned confirms that the details given above are correct



10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820026
 23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form SH18 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF
 V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 16092

Customer/Producer: Solifix Ltd
 Kings Close
 Yapton, Arundel, BN18 0XY

Driver's Name: Nico
 Vehicle Reg: LM61 SZL
 Vehicle Owner: DO

Capacity: 6 Wheel ☐ 8 Wheel ☒ Other ☐

Name/Address: Airlinks Golf Club
 Southall Lane, Hounslow, TW5 9PE

Date: 9/7/18
 Time: 8.45
 Daywork: ☐ Loadwork: ☐
 Hours Worked/Waiting: ☐
 Travel Time: ☐
 Total Time: ☐

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EWC17-05-04 ☐ Construction & Demolition Waste EWC17-05-04 ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
 Description of Material: Non Haz soil & stone
 SIC Code: 3000 SP No: ☐

Customer's Signature _____ Print Name _____

Name & Address of Carrier: Elite GB Environmental Services Ltd

Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

CB/NE5986WH

Issued by: EA

Signed for: ☐ Solifix Ltd

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS
 Telephone: (01179) 820025 Fax: (01179) 820026
 23 Bellingham Lane, Rayleigh, Essex, SS6 7ED
 Telephone: (01268) 502272 Fax: (01268) 779399

White Copy - Consignor

Yellow Copy - Landfill

Pink Copy - Carrier

Form SH18 Waste Transfer Note - Rev B

Registered Waste Carrier CB/EE5503GF
 V.A.T. reg No. 850 358 820

WASTE TRANSFER NOTE

Ticket No 16091

Customer/Producer: Solifix Ltd
 Kings Close
 Yapton, Arundel, BN18 0XY

Driver's Name: David
 Vehicle Reg: EX07 CMZ
 Vehicle Owner: DO

Capacity: 6 Wheel ☐ 8 Wheel ☒ Other ☐

Name/Address: Airlinks Golf Club
 Southall Lane, Hounslow, TW5 9PE

Date: 9/7/18
 Time: 8.45
 Daywork: ☐ Loadwork: ☐
 Hours Worked/Waiting: ☐
 Travel Time: ☐
 Total Time: ☐

Description of Load

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.

Inert Soil & Stone EWC17-05-04 ☐ Construction & Demolition Waste EWC17-05-04 ☐ Non Hazardous Soil & Stone EWC17-05-04 ☒ Other ☐
 Description of Material: Non Haz soil & stone
 SIC Code: 3000 SP No: ☐

Customer's Signature _____ Print Name _____

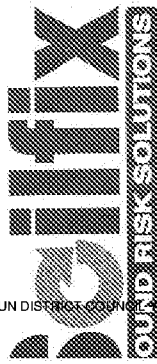
Name & Address of Carrier: Elite GB Environmental Services Ltd

Ritzbury House, Green Street, Sunbury on Thames, TW16 6QA

CB/NE5986WH

Issued by: EA

Signed for: ☐ Solifix Ltd



Sulfix Ltd

Kings Close

Yapton, Arundel BN18 0XY

Driver's Name

Vehicle Reg

Vehicle Owner

Vehicle Capacity

6 Wheel

8 Wheel

Other

Name/Address

Airlinks Golf Club

Southall Lane, Hounslow, TW5 9PE

10 St. Martins Industrial Park, Avonmouth, Bristol BS11 0RS

Telephone: (01179) 820025 Fax: (01179) 820026

23 Bellingham Lane, Rayleigh, Essex, SS6 7ED

Telephone: (01268) 502272 Fax: (01268) 779399

WASTE TRANSFER NOTE

Date	9/7/13
Time	8.45
Daywork	
Loadwork	
Hours Worked/Waiting	
Travel Time	
Total Time	

Description of Load	
Inert Soil & Stone	Construction & Demolition Waste
SPC17-05-04	SPC17-05-04
Non Haz Soil & Stone	Non Hazardous Soil & Stone
SPC17-05-04	SPC17-05-04
Description of Material	
Non Haz soil & stone	
SIC Code	SP No
3900	

Customer's Signature

Print Name

Name & Address of Carrier

Elite CE Environmental Services Ltd

Ritzbury House, Green Street, Sunbury on Thames, TW16 8QA

Carrier Licence No

CB/NE5986WH

Issued by

EA

The carrier signed confirms that the details given above are correct

Signed for

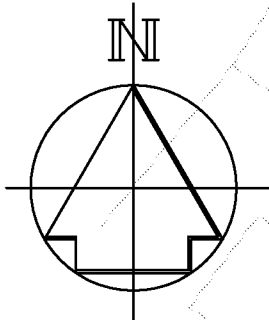
Signed for

Sulfix Ltd

Sulfix Ltd

Ticket No 16090

Appendix 3.1: Excavation formation levels



OUTSTANDING DESIGN ISSUES:

- Highway Works Agreement
- Sewer Connection Agreement
- Precise RWP Locations
- Precise Foul Outlet Locations
- Foundation (Pile & Ground Beam) Details
- Retaining Wall Design

Notes

- This drawing to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- Dimensions are in millimetres unless noted otherwise.
- Original topographic survey undertaken by Kings Surveyors.
For full topographic survey information see Kings drawing No. 96926.0001.
All levels based on O.S. Datum by GPS.
- Existing levels shown thus:
- Before excavation commences, the Contractor shall ascertain the depths, sizes and locations of all services to be crossed. Any conflicts in levels between new works and existing services shall be notified to the Engineer.
- All drainage shall be in accordance with Building Regulations 2002: Part H & W.S.A Sewers for Adoption 7th edition.
- Details of existing sewers & drains shall be confirmed by the contractor on site prior to the commencement of works.
- Sewers of different diameters shall be laid soffit to soffit in manholes, unless backdrops are detailed.
- Private drains passing through walls and footings are to be sleeved and a 600mm length of rocker pipe shall be laid on each side of the wall or footing. Runs under building shall have a type 'S' bed and surround, unless depth below underside of slab is less than 300mm where a 150mm bed and surround of concrete is to be used. Where pipes pass beneath foundations 600mm length rocker pipes shall be laid on each side. Below is shown a typical detail of a pipe sleeved through a foundation:
- Manhole (M.H.) covers and inspection chamber (I.C.) shall be adjusted to suit final surface levels.
- Where trench foundation levels lie above original levels, levels shall be made up with either well compacted layers of D.O.T type 1 or mix ST2 concrete.
- For positions of SVP's stub stacks and rainwater pipes see detailed Architects layouts.
- Minimum gradients for pipes where no gradient is shown shall be 1:80.
- Dimensions of M.H. on private drains and sewers to be in accordance with requirements of the Building Regulations.
- Drainage trenches lower than foundations:
a) Where drainage trench is within 1.0 distance of a building the trench is to be filled with concrete mix ST 2 up to the level of the foundation, in accordance with Building Regulation 2002: Part H, diagram 8.
b) Where drainage trench is further than 1.0 distance 'A' from footing and the depth of trench below foundation level is greater than 'A' the lower trench shall be filled with concrete mix ST 2 such that the top level of concrete infill is no less than (A' - 150mm) below foundation level. Notes a) and b) are represented diagrammatically below:

- Pipe materials shall be:
a) For external private drain runs:
i) Clay pipes, extra strength or super strength in accordance with BS EN 295: 1991
ii) UPVC pipes in accordance with BS 4660 & BS 5481: 1989 (flexible pipes)
iii) Ductile iron pipe work in accordance with BS EN 588, as Stanton Integral with high performance joints or equivalent.
b) For adoptable sewers/highway drains, see longitudinal sections.
- Definition of 'rigid' and 'flexible' pipes shall be as Building Regulations Part H, table 7.
- Flexible pipes - Where private flexible pipes have more than 900mm cover under vehicular areas and more than 600mm cover under gardens, bedding and backfill shall be Type S as shown on drawing STD.01.85.
For special protection where pipes are laid with less cover see notes below.
a) Where private flexible pipes have less than 900mm cover under vehicular areas, a reinforced concrete bridging slab shall be used (as Type 'Y' drawing STD.01.85) Reference Building Regulations 2002: Part H.
b) Where private flexible pipes have less than 600mm cover under gardens, concrete paving slabs laid as bridging slab shall be used (as Type 'X' drawing STD.01.85.) Reference Building Regulations 2002: Part H.
- Rigid pipes - Bedding and backfill shall be Type 'S' as shown on drawing STD.01.85, except on lengths where special protection is required (see notes below).
a) Where $\varnothing$ 100mm private rigid pipes have less than 400mm cover under vehicular areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
b) Where $\varnothing$ 100mm private rigid pipes have less than 300mm cover under garden areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
c) Where $\varnothing$ 150mm private rigid pipes have less than 600mm cover under any areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
- Private storm and foul drainage connections shall be detailed by the Architect.
- All external rainwater down pipes shall discharge through a proprietary bottle gully as shown on drawing STD.01.12.
- Trenches below existing carriageways and parking areas shall be reinstated with D.O.E Type 1 material in accordance with standard detail STD.02.05.
- Gullies RG1, RG2 & RG5 shall be brickwork in accordance with standard detail STD.01.10. Road gullies RG3 & RG4 shall be trapped in accordance with detail STD.01.05 Type 1T.
- All utility covers & frames within the extent of the works shall be adjusted as necessary. The Contractor shall ensure that all services within vehicular areas have appropriate grade covers & frames as shown below:
Vehicular areas: D400 Pedestrian areas: B125

WARNINGS :

- Contaminated Ground : Remediation of contaminated soils may be required in the vicinity of soakaway structures that will concentrate flows into the ground. See Ground Management Report G5008.
- Foul Drains / Sewers : Due to the close proximity of permeable pavements to foul drain runs on the site, it is not anticipated that Southern Water will adopt any of the new foul drainage system apart from manhole F3.

P2 SOAKAWAYS MADE SHALLOWER & WIDER - PF-06-03-16

REV	DESCRIPTION	CHECKED	DATE
-----	-------------	---------	------

Archibald Shaw

Consulting Civil & Structural Engineers
One Little London, Chichester, West Sussex PO19 1PP
Telephone: 01243 786471 Facsimile: 01243 779346
mail@archibaldshaw.co.uk www.archibaldshaw.co.uk

CLIENT
Plotlife

PROJECT
House Development
Kings Close, Yapton
General Arrangement showing Drainage

DRAWN BY	CHECKED BY	DESIGNED BY
PF	VC	PF
SCALE @ A1	@DATE	STATUS
1:200	Jan. 2018	Preliminary
JOB NO.	DRAWING NO.	REVISION
28854	101	P2

FOUL MANHOLE SCHEDULE

M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
F1	3.370	6.100	EXISTING MH	EXISTING	-	-	
F2	3.750	6.480	EXISTING MH	EXISTING	-	-	
F3*	4.080	6.460	$\varnothing$ 1200	675 x 675	D400	B	STD.01.30
F4	4.200	6.340	EXISTING MH	EXISTING	-	-	

*NOTE: Southern Water connection / new manhole licence required

SURFACE WATER MANHOLE SCHEDULE

M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
S1	5.770	6.420	EXISTING MH	EXISTING	-	-	EXISTING MH
S2	5.450	6.455	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S3	-	6.380	EXISTING MH	EXISTING	-	-	DEMOLISH EXT. MH
S4	5.450	6.300	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S5	5.400	6.325	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S6	5.400	6.220	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S7	5.400	6.450	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S8	5.400	6.200	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S9	5.850	6.200	750 x 675	750 x 600	D400	P2	STD.01.22
S10	5.510	6.500	750 x 675	750 x 600	D400	P2	STD.01.22

NOTE BASE DRAWING IS OUT OF DATE USE FOR FORMATION LEVELS ONLY!!

SOAKAWAY SCHEDULE

TYPE	EFFECTIVE DEPTH (H)	TOTAL DEPTH (m)	RING DIA. (m)	PIT DIMENSIONS PLAN (L x W)	COVER SIZE (CLEAR OPENING) (mm)	COVER TYPE	COMMENT
SA 'A'	1.200	1.700	-	4.00 x 2.00	2 x $\varnothing$ 225	B125	SEE DRAWING FOR DETAILS
SA 'B'	1.200	1.700	-	3.00 x 2.00	2 x $\varnothing$ 225	B125	SEE DRAWING FOR DETAILS
SA 'C'	1.200	1.700	-	7.00 x 2.00	2 x $\varnothing$ 225	B125	SEE DRAWING FOR DETAILS

- A Lotrak 1800 geotextile or equivalent surround is required.
- Soakaways shall be a minimum of 5.0m from any buildings or structures.
- The Contractor shall immediately notify the Engineer if groundwater is encountered in soakaway pits.
- A provisional soil infiltration rate of 2.50 x 10⁻⁴ m/sec has been used for soakaway design.

KEY

- TOPOGRAPHICAL SURVEY
- PROPOSALS
- PROPOSED SURFACE WATER DRAINS @ 100 UNLESS NOTED OTHERWISE
- SURFACE WATER MANHOLE/ $\varnothing$ 450 INSPECTION CHAMBER/ RODDING EYE
- EXISTING FOUL WATER SEWER
- FULLY PERFORATED DISTRIBUTION PIPE
- FOUL WATER MANHOLE/ $\varnothing$ 450 INSPECTION CHAMBER/ RODDING EYE
- GRADIENT BED TYPE (SEE STD.01.85)
- PIPE DIAMETER
- DIRECTION OF FLOW
- DRAIN TO BE ABANDONED
- HIGH STORAGE SOAKAWAY. SEE SCHEDULE

3.2 Geotextile Marker Layer



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For more information and to amend your preferences, click the "Show details" button.
See the [Terram Cookie Notice](#)

Necessary

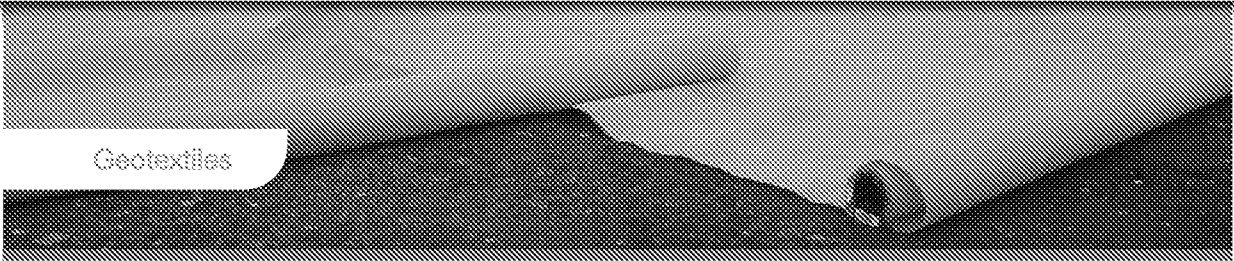
Preferences

Statistics

Marketing

Show details

OK



Geotextiles

Terram Hi-Vis

Application Function
Filter separators

Market Sectors
Landfill

Terram Hi-Vis is a non-woven orange geotextile used for separating contaminated/uncontaminated soils.

The geotextiles has a dual effect: its vivid colour warns of potential danger at the point of any future excavations and it can also prevent the upward movement of contaminated soil particles.

Terram Hi-Vis

- is a highly-visible separator
- prevents intermixing of adjacent mineral layer
- is quick and easy to install
- is supplied in 4.5m x 100m rolls for rapid coverage
- available in a number of strengths to suit site requirements



Downloads



TERRAM
Roads &
Highway
Solutions



3.3 Pre-supply test results

Topsoil Compliance BS3882:2015



Client		Eurogreen Environmental Ltd				Project number				GL5358					
Sampling location		Nareth Barn Farm, Worthing BN12 6NZ				Sampling date				8 Aug 18					
Soil source or name of producer (if known)		Eurogreen Environmental Ltd				Sample reference				Batch 12					
Laboratory details		Concpt Life Sciences & Southern Testing Laboratories Ltd				Date sample received by Laboratory				14 Aug 18					
Parameter		Result		Multipurpose and specific purpose topsoils											
Potentially phytotoxic elements (by soil pH)	Soil pH <6.0				Soil pH 6.0 to 7.0				Soil pH >7.0						
Zinc- Zn (mg/kg dry solids) (Nitric acid extractable)		73		<200		n/a		<200		n/a		<300			
Copper- Cu (mg/kg dry solids) (Nitric acid extractable)		18		<100		n/a		<135		n/a		<200		Y	
Nickel- Ni (mg/kg dry solids) (Nitric acid extractable)		10		<60		n/a		<75		n/a		<110		Y	
Soil texture % m/m (Figure 1, BS3882:2015)															
Clay		18		10 to 35										Y	
Silt		24		0 to 65										Y	
Sand		54		30 to 85										Y	
Soil texture class (Figure 1, BS3882:2015)		Sandy Loam													
Maximum coarse fragment content % m/m															
>2 mm		5.3		30										Y	
>20 mm		<0.1		10										Y	
>50 mm		<0.1		0										Y	
Visible Contaminants % m/m (air dried soil)		<0.5		<0.5										Y	
... of which plastics		<0.25		<0.25										Y	
Sharps, number (air dried soil)		0		zero in 1 kg air dried soil										Y	
Electrical conductivity $\mu\text{S}\cdot\text{cm}^{-1}$		2100		<3300										Y	
Parameter		Result		Multipurpose topsoil		Specific purpose topsoil									
						Acidic		Calcareous		Low fertility		Low fertility acidic		Low fertility calcareous	
Organic content - Mass loss on ignition %															
Clay 5% to 20%		5.4		3 to 20		Y		3 to 30		Y		3 to 20		Y	
Clay 20% to 35%				5 to 20		n/a		5 to 30		n/a		5 to 20		n/a	
Carbonate % m/m		2.7		n/a		n/a		n/a		n/a		>1		Y	
Plant nutrient content															
Total nitrogen % m/m		0.19		>0.15		Y		>0.15		Y		>0.15		Y	
Extractable phosphate mg/L		26		16 to 140		Y		16 to 140		Y		≤ 20		N	
Extractable potassium mg/L		290		121 to 1,500		Y		121 to 1,500		Y		n/a		n/a	
Extractable magnesium mg/L		120		51 to 600		Y		51 to 600		Y		n/a		n/a	
Carbon:nitrogen ratio		17:1		<20:1		Y		<20:1		Y		<35:1		Y	
Soil pH		7.8		5.5 to 8.5		Y		3.5 to 5.5		N		7.5 to 9.0		Y	
Compliant				Multipurpose topsoil		Acidic		Calcareous		Low fertility		Low fertility acidic		Low fertility calcareous	
				Yes		No		Yes		No		No		No	

NOTES: 1. Attention is drawn to notes 2 – 5 in Table 1 of BS 3882:2015, and in particular to the requirement for topsoil not to contain concentrations of any chemical contaminants which would cause significant risk to human health and/or the environment, the assessment of which should be undertaken with consideration to the intended use of the recipient site and therefore any Site Specific Assessment Criteria (SSAC) or Generic Assessment Criteria (GAC) which may apply. 2. The results included above are representative of the sample received by the Laboratory. 3. Additional analytical certificates are appended.

Southern Testing Laboratories Limited, East Grinstead is registered under BS EN ISO 9001:2008 ref: FS29280

Date of this report

29-Aug-18

Concept Life Sciences

Certificate of Analysis

3 Crittall Drive
Springwood Industrial
Estate
Braintree
Essex
CM7 2RT

Report Number: 759490-1

Date of Report: 29-Aug-2018

Customer: Southern Testing Laboratories
Keeble House
Stuart Way
East Grinstead
West Sussex
RH19 4QA

Customer Contact: Mr Timon Greenwood

Customer Job Reference: GL5358

Customer Purchase Order: GL5358_1 Timon

Customer Site Reference: Materials Testing, Eurogreen
Environmental

Date Job Received at Concept: 14-Aug-2018

Date Analysis Started: 14-Aug-2018

Date Analysis Completed: 29-Aug-2018

The results reported relate to samples received in the laboratory and may not be representative of a whole batch.

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

This report should not be reproduced except in full without the written approval of the laboratory

Tests covered by this certificate were conducted in accordance with Concept Life Sciences SOPs

All results have been reviewed in accordance with Section 25 of the Concept Life Sciences, Analytical Services Quality Manual



Report checked
and authorised by :
Aislinn Arthey
Customer Service Advisor

Issued by :
Aislinn Arthey
Customer Service Advisor

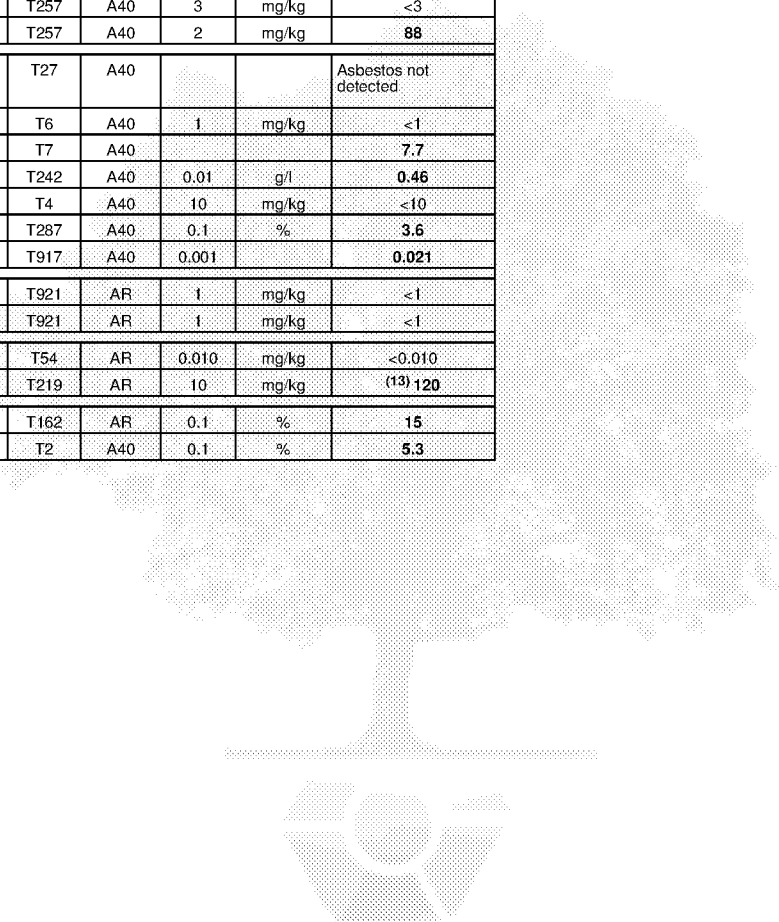
Customer Reference: GL5358

Soil	Analysed as Soil
Southern Testing Key Contamination Suite	

Concept Reference	759490 001
Customer Sample Reference	Batch 12
Date Sampled	08-AUG-2018
Matrix Class	Sandy Soil

Determinand	Method	Test Sample	LOD	Units	
Arsenic	T257	A40	2	mg/kg	9
Cadmium	T257	A40	0.1	mg/kg	0.2
Chromium	T257	A40	0.5	mg/kg	21
Copper	T257	A40	2	mg/kg	20
Lead	T257	A40	2	mg/kg	87
Mercury	T245	A40	1.0	mg/kg	<1.0
Nickel	T257	A40	0.5	mg/kg	15
Selenium	T257	A40	3	mg/kg	<3
Zinc	T257	A40	2	mg/kg	88

Asbestos ID	T27	A40			Asbestos not detected
Chromium VI	T6	A40	1	mg/kg	<1
pH	T7	A40			7.7
(Water Soluble) SO4-- expressed as SO4	T242	A40	0.01	g/l	0.46
Sulphide	T4	A40	10	mg/kg	<10
Soil Organic Matter	T287	A40	0.1	%	3.6
Fraction Organic Carbon - F(oc)	T917	A40	0.001		0.021
Cyanide(Total)	T921	AR	1	mg/kg	<1
Phenols(Mono)	T921	AR	1	mg/kg	<1
TPH (C6-C10)	T54	AR	0.010	mg/kg	<0.010
TPH (C10-C40)	T219	AR	10	mg/kg	(13) 120
Moisture @105C	T162	AR	0.1	%	15
Retained on 2mm	T2	A40	0.1	%	5.3



Index to symbols used in 759490-1

Value	Description
A40	Assisted dried < 40C
AR	As Received
N.D.	Not Detected
13	Results have been blank corrected.
S	Analysis was subcontracted
M	Analysis is MCERTS accredited
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Notes

Asbestos subcontracted to REC Limited
Reported results on as received samples are corrected to a 105 degree centigrade dry weight basis
Retained on 2mm is removed before analysis

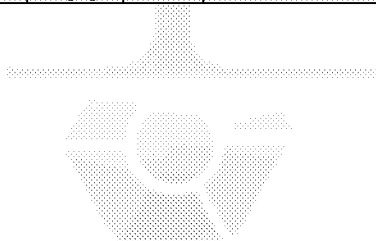
Method Index

Value	Description
T245	ICP/OES (Aqua Regia Extraction)
T6	ICP/OES
T873	Grav (4 Dec) (Dry 125 C)(Ign 440 C)
T267	GC/TCD (Dumas)
T27	PLM
T7	Probe
T956	Colorimetry (Sodium Hydrogen Carbonate Extract)
T242	2:1 Extraction/ICP/OES (TRL 447 T1)
T257	ICP/OES (SIM) (Aqua Regia Extraction)
T271	Probe CaSO4
T274	Probe (BS 3882)
T312	ICP-OES (Nitric Acid Extraction)
T22	Titration
T921	Colorimetry (CF) (MCERT)
T2	Grav
T287	Calc TOC/0.58
T219	GC/FID (SE)
T1086	GC/MS (GSOP12A)
T26	Microscopy (Low Mag.)
T54	GC/MS (Headspace)
T161	Visual
T162	Grav (1 Dec) (105 C)
T272	ICP/OES (Ammonium Nitrate)
T4	Colorimetry
T85	Calc.
T917	OX/IR (SE)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Copper	T312	A40	1	mg/kg	N	001
Nickel	T312	A40	1	mg/kg	N	001
Zinc	T312	A40	1	mg/kg	N	001
Mg (Extractable BS 3882)	T272	A40	10	mg/l	N	001
Phosphorous	T956	A40	10	mg/l	N	001
K (Extractable BS 3882)	T272	A40	10	mg/l	N	001
Carbon / Nitrogen ratio	T85	A40			N	001
Electrical Conductivity	T271	A40	10	µS/cm	N	001
LOI (OM) (125-440)C	T873	A40		%	N	001
Neutralising Value (expressed as CaCO3)	T22	A40	0.1	%	N	001
Nitrogen (Total)	T267	A40		%m/m	SN	001
pH (2.5:1 extract)	T274	A40			N	001
Retained on 2mm	T2	A40	0.1	%	N	001
Retained on 20mm	T2	A40	0.1	%	N	001
Retained on 50mm	T2	A40	0.1	%	N	001
Sand Content	T2	A40	1.0	%	SN	001

Determinand	Method	Test Sample	LOD	Units	Symbol	Concept References
Silt Content	T2	A40	1.0	%	SN	001
Clay Content	T2	A40	1.0	%	SN	001
Texture	T26	A40			N	001
Visible Contaminants	T161	AR	0.5	%	N	001
Visible Contaminants (Plastics)	T2	AR	0.25	%	N	001
Sharps	T2	AR		Number/kg	N	001
Arsenic	T257	A40	2	mg/kg	M	001
Cadmium	T257	A40	0.1	mg/kg	M	001
Chromium	T257	A40	0.5	mg/kg	M	001
Copper	T257	A40	2	mg/kg	M	001
Lead	T257	A40	2	mg/kg	M	001
Mercury	T245	A40	1.0	mg/kg	U	001
Nickel	T257	A40	0.5	mg/kg	M	001
Selenium	T257	A40	3	mg/kg	U	001
Zinc	T257	A40	2	mg/kg	M	001
Asbestos ID	T27	A40			SU	001
Chromium VI	T6	A40	1	mg/kg	N	001
pH	T7	A40			M	001
(Water Soluble) SO4-- expressed as SO4	T242	A40	0.01	g/l	M	001
Sulphide	T4	A40	10	mg/kg	N	001
Soil Organic Matter	T287	A40	0.1	%	N	001
Fraction Organic Carbon - F(oc)	T917	A40	0.001		N	001
Cyanide(Total)	T921	AR	1	mg/kg	M	001
Phenols(Mono)	T921	AR	1	mg/kg	M	001
TPH (C6-C10)	T54	AR	0.010	mg/kg	N	001
TPH (C10-C40)	T219	AR	10	mg/kg	M	001
Moisture @105C	T162	AR	0.1	%	N	001
Acenaphthene	T1086	AR	0.1	mg/kg	M	001
Acenaphthylene	T1086	AR	0.1	mg/kg	M	001
Anthracene	T1086	AR	0.1	mg/kg	M	001
Benzo(a)Anthracene	T1086	AR	0.1	mg/kg	M	001
Benzo(a)Pyrene	T1086	AR	0.1	mg/kg	M	001
Benzo(b)fluoranthene	T1086	AR	0.1	mg/kg	M	001
Benzo(ghi)Perylene	T1086	AR	0.1	mg/kg	M	001
Benzo(k)fluoranthene	T1086	AR	0.1	mg/kg	N	001
Chrysene	T1086	AR	0.1	mg/kg	M	001
Dibenzo(ah)Anthracene	T1086	AR	0.1	mg/kg	M	001
Fluoranthene	T1086	AR	0.1	mg/kg	M	001
Fluorene	T1086	AR	0.1	mg/kg	M	001
Indeno(123-cd)Pyrene	T1086	AR	0.1	mg/kg	M	001
Naphthalene	T1086	AR	0.1	mg/kg	M	001
Phenanthrene	T1086	AR	0.1	mg/kg	M	001
Pyrene	T1086	AR	0.1	mg/kg	M	001
PAH(total)	T1086	AR	0.1	mg/kg	N	001



3.4 Topsoil and subsoil verification test results



2683



THE ENVIRONMENTAL LABORATORY LTD
UNIT A2 WINDMILL ROAD
PONSWOOD INDUSTRIAL ESTATE
ST LEONARDS ON SEA
EAST SUSSEX
TN38 9BY

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-20586

Issue: 1

Date of Issue: 23/11/2018

Contact: Alistair Tyler

Customer Details: Ground Management Ltd
Robin Hill Farm
Clay Lane
Chichester
West Sussex
PO18 8AN

Quotation No: Q18-01348

Order No: G6366

Customer Reference: G6366

Date Received: 15/11/2018

Date Approved: 23/11/2018

Details: Kings Close, Yapton

Approved by:

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Sample Summary

Report No.: 18-20586

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
157394	GMP18 0.45 - 0.55	13/11/2018	15/11/2018	Silty loam	
157395	GMP19 0.00 - 0.20	13/11/2018	15/11/2018	Silty loam	
157396	GMP20 0.00 - 0.20	13/11/2018	15/11/2018	Silty loam	



Results Summary

Report No.: 18-20586

ELAB Reference:	157394	157395	157396
Customer Reference:			
Sample ID:			
Sample Type:	SOIL	SOIL	SOIL
Sample Location:	GMP18	GMP19	GMP20
Sample Depth (m):	0.45 - 0.55	0.00 - 0.20	0.00 - 0.20
Sampling Date:	13/11/2018	13/11/2018	13/11/2018

Determinand	Codes	Units	LOD			
Metals						
Arsenic	M	mg/kg	1	8.2	14.9	11.0
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	21.1	25.4	25.3
Chromium (III)	N	mg/kg	5	21.1	25.4	25.3
Copper	M	mg/kg	5	20.8	26.5	26.5
Lead	M	mg/kg	5	66.8	95.4	89.0
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	15.1	19.2	19.7
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	86.7	120	149
Inorganics						
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8
Miscellaneous						
pH	M	pH units	0.1	7.9	8.1	10.0
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	0.2	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.3	0.7	< 0.1
Pyrene	M	mg/kg	0.1	0.3	0.7	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	0.2	0.4	< 0.1
Chrysene	M	mg/kg	0.1	0.2	0.5	< 0.1
Benzo (b) fluoranthene	M	mg/kg	0.1	0.3	0.6	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.3	0.5	< 0.1
Benzo (a) pyrene	M	mg/kg	0.1	0.2	0.5	< 0.1
Indeno (1,2,3-cd) pyrene	M	mg/kg	0.1	0.2	0.4	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.2	0.3	< 0.1
Total PAH(16)	M	mg/kg	0.4	2.3	5.0	< 0.4
TPH CWG						
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	< 1.0	2.3	9.6
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	4.5
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	< 1.0	2.3	14.1
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	< 1.0	2.9
>C16-C21 Aromatic	M	mg/kg	1	< 1.0	3.1	3.3
>C21-C35 Aromatic	M	mg/kg	1	5.2	10.6	36.0
>C35-C40 Aromatic	M	mg/kg	1	< 1.0	2.0	8.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	5.2	15.7	50.2
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	5.2	18.0	64.2

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The Environmental Laboratory Ltd. Reg. No. 3882193



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Tel: +44 (0)1424 718618, Email: info@elab-uk.co.uk, Web: www.elab-uk.co.uk

Results Summary
Report No.: 18-20586

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
157394	0.45 - 0.55	GMP18	brown soil (clay) with stones, clinker, brick and twigs	No asbestos detected	n/l	n/l	n/l	n/l
157395	0.00 - 0.20	GMP19	brown soil (clay) with stones, clinker, brick and twigs	No asbestos detected	n/l	n/l	n/l	n/l
157396	0.00 - 0.20	GMP20	brown soil (clay) with stones, clinker and twigs	No asbestos detected	n/l	n/l	n/l	n/l

Method Summary

Report No.: 18-20586

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Hexavalent chromium	N	As submitted sample	19/11/2018	110	Colorimetry
pH	M	Air dried sample	20/11/2018	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	19/11/2018	118	ICPMS
PAH (GC-FID)	M	As submitted sample	19/11/2018	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	22/11/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	22/11/2018	181	GC-MS
TPH CWG soil by gc-gc	M	As submitted sample	16/11/2018	214	
Asbestos identification	U	Air dried sample	19/11/2018	PMAN	Microscopy

Tests marked N are not UKAS accredited



2683



Report Information

Report No.: 18-20586

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the items tested

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-20751

Issue: 1

Date of Issue: 30/11/2018

Contact: Alistair Tyler

Customer Details: Ground Management Ltd
Robin Hill Farm
Clay Lane
Chichester
West Sussex
PO18 8AN

Quotation No: Q18-01348

Order No: G6366

Customer Reference: G6366

Date Received: 27/11/2018

Date Approved: 30/11/2018

Details: Kings Close, Yapton

Approved by:

John Wilson, Operations Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Sample Summary

Report No.: 18-20751

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
158668	GMP17A 0.00 - 0.20	24/11/2018	27/11/2018	Silty loam	
158669	GMP17B 0.40 - 0.60	24/11/2018	27/11/2018	Silty loam	

Results Summary

Report No.: 18-20751

ELAB Reference	158668	158669
Customer Reference		
Sample ID		
Sample Type	SOIL	SOIL
Sample Location	GMP17A	GMP17B
Sample Depth (m)	0.00 - 0.20	0.40 - 0.60
Sampling Date	24/11/2018	24/11/2018

Determinand	Codes	Units	LOD		
Metals					
Arsenic	M	mg/kg	1	10.8	11.1
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	28.4	29.0
Chromium (III)	N	mg/kg	5	28.4	29.0
Copper	M	mg/kg	5	36.4	30.0
Lead	M	mg/kg	5	82.0	45.6
Mercury	M	mg/kg	0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	20.0	19.7
Selenium	M	mg/kg	1	< 1.0	< 1.0
Zinc	M	mg/kg	5	125	69.1
Inorganics					
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8
Miscellaneous					
pH	M	pH units	0.1	8.0	8.3
Polyaromatic hydrocarbons					
Naphthalene	M	mg/kg	0.1	< 0.1	0.2
Acenaphthylene	M	mg/kg	0.1	0.1	1.2
Acenaphthene	M	mg/kg	0.1	0.1	0.4
Fluorene	M	mg/kg	0.1	< 0.1	0.4
Phenanthrene	M	mg/kg	0.1	1.6	5.0
Anthracene	M	mg/kg	0.1	0.4	2.0
Fluoranthene	M	mg/kg	0.1	3.6	17.1
Pyrene	M	mg/kg	0.1	3.2	16.3
Benzo(a)anthracene	M	mg/kg	0.1	2.1	11.8
Chrysene	M	mg/kg	0.1	2.3	11.9
Benzo(b)fluoranthene	M	mg/kg	0.1	2.8	14.9
Benzo(k)fluoranthene	M	mg/kg	0.1	2.5	14.2
Benzo(a)pyrene	M	mg/kg	0.1	2.5	16.4
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	2.3	13.4
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.5	3.0
Benzo(g,h,i)perylene	M	mg/kg	0.1	2.4	15.0
Total PAH(16)	M	mg/kg	0.4	26.4	143
TPH CWG					
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	1.7	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	1.7	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	1.4	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	6.8	4.6
>C35-C40 Aromatic	M	mg/kg	1	< 1.0	1.3
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	8.1	5.9
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	9.8	5.9



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Results Summary

Report No.: 18-20751

Asbestos Results

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Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
158668	0.00 - 0.20	GMP17A	Brown soil, stones, plant material	No asbestos detected	n/t	n/t	n/t	n/t
158669	0.40 - 0.60	GMP17B	Brown soil, stones, glass, clinker	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 18-20751

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Hexavalent chromium	N	As submitted sample	28/11/2018	110	Colorimetry
pH	M	Air dried sample	29/11/2018	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	28/11/2018	118	ICPMS
PAH (GC-FID)	M	As submitted sample	28/11/2018	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	29/11/2018	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	29/11/2018	181	GC-MS
TPH CWG soil by gc-gc	M	As submitted sample	28/11/2018	214	
Asbestos identification	U	Air dried sample	28/11/2018	PMAN	Microscopy

Tests marked N are not UKAS accredited



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Report Information

Report No.: 18-20751

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the items tested

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



2683



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 18-20915

Issue: 1

Date of Issue: 11/12/2018

Contact: Alistair Tyler

Customer Details: Ground Management Ltd
Robin Hill Farm
Clay Lane
Chichester
West Sussex
PO18 8AN

Quotation No: Q16-00620

Order No: G6308

Customer Reference: G6308

Date Received: 07/12/2018

Date Approved: 11/12/2018

Details: Kings Close, Yapton

Approved by:

John Wilson, Operations Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

Sample Summary

Report No.: 18-20915

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
159855	GMP-17-C1 0.00 - 0.20	04/12/2018	07/12/2018	Silty loam & Stones	
159856	GMP-17-C2 0.30 - 0.40	04/12/2018	07/12/2018	Silty loam	
159857	GMP-17-C3 0.50 - 0.60	04/12/2018	07/12/2018	Silty loam	
159858	GMP-17-D1 0.00 - 0.20	04/12/2018	07/12/2018	Silty loam	
159859	GMP-17-D2 0.30 - 0.40	04/12/2018	07/12/2018	Silty loam	
159860	GMP-17-D3 0.50 - 0.60	04/12/2018	07/12/2018	Silty loam	
159861	GMP-17-E1 0.00 - 0.20	04/12/2018	07/12/2018	Silty loam	
159862	GMP-17-E2 0.30 - 0.40	04/12/2018	07/12/2018	Silty loam	
159863	GMP-17-E3 0.50 - 0.60	04/12/2018	07/12/2018	Sandy silty loam	
159864	GMP-17-F1 0.00 - 0.20	04/12/2018	07/12/2018		
159865	GMP-17-F2 0.30 - 0.40	04/12/2018	07/12/2018		
159866	GMP-17-F3 0.50 - 0.60	04/12/2018	07/12/2018		
159867	GMP-17-G1 0.00 - 0.20	04/12/2018	07/12/2018		
159868	GMP-17-G2 0.30 - 0.40	04/12/2018	07/12/2018		
159869	GMP-17-G3 0.50 - 0.60	04/12/2018	07/12/2018		
159870	GMP-17-G4 0.60 - 0.70	04/12/2018	07/12/2018		
159871	GMP-18-A1 0.00 - 0.20	05/12/2018	07/12/2018	Silty loam	
159872	GMP-18-A2 0.30 - 0.40	05/12/2018	07/12/2018	Silty loam	
159873	GMP-18-A3 0.55 - 0.65	05/12/2018	07/12/2018	Silty loam	
159874	GMP-18-B1 0.00 - 0.20	05/12/2018	07/12/2018		
159875	GMP-18-B2 0.35 - 0.45	05/12/2018	07/12/2018		
159876	GMP-18-B3 0.55 - 0.70	05/12/2018	07/12/2018		
159877	GMP-19-A2 0.00 - 0.20	05/12/2018	07/12/2018		
159878	GMP-19-A2 0.30 - 0.40	05/12/2018	07/12/2018		
159879	GMP-19-A3 0.55 - 0.65	05/12/2018	07/12/2018		
159880	GMP-19-B1 0.00 - 0.20	05/12/2018	07/12/2018		
159881	GMP-19-B2 0.30 - 0.40	05/12/2018	07/12/2018		



Results Summary

Report No.: 18-20915

2683

ELAB Reference	159855	159856	159857	159858	159859	159860
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	GMP-17-C1	GMP-17-C2	GMP-17-C3	GMP-17-D1	GMP-17-D2	GMP-17-D3
Sample Depth (m)	0.00 - 0.20	0.30 - 0.40	0.50 - 0.60	0.00 - 0.20	0.30 - 0.40	0.50 - 0.60
Sampling Date	04/12/2018	04/12/2018	04/12/2018	04/12/2018	04/12/2018	04/12/2018
Determinand	Codes	Units	LOD			
Miscellaneous						
Soil Organic Matter	U	%	0.1	3.4	n/t	n/t
Polyaromatic hydrocarbons						
Naphthalene	M	mg/kg	0.1	0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	0.3	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	0.3	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	2.7	0.4	< 0.1
Anthracene	M	mg/kg	0.1	1.0	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	4.6	0.9	< 0.1
Pyrene	M	mg/kg	0.1	3.6	0.8	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	2.3	0.5	< 0.1
Chrysene	M	mg/kg	0.1	2.2	0.6	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	1.4	0.5	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	1.7	0.6	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	1.7	0.5	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	1.1	0.4	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.3	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.9	0.4	< 0.1
Total PAH(16)	M	mg/kg	0.4	24.4	6.1	< 0.4



Results Summary

2683

Report No.: 18-20915

ELAB Reference	159861	159862	159863	159871	159872	159873
Customer Reference						
Sample ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	GMP-17-E1	GMP-17-E2	GMP-17-E3	GMP-18-A1	GMP-18-A2	GMP-18-A3
Sample Depth (m)	0.00 - 0.20	0.30 - 0.40	0.50 - 0.60	0.00 - 0.20	0.30 - 0.40	0.55 - 0.65
Sampling Date	04/12/2018	04/12/2018	04/12/2018	05/12/2018	05/12/2018	05/12/2018

Determinand	Codes	Units	LOD						
Miscellaneous									
Soil Organic Matter	U	%	0.1	3.7	n/t	n/t	3.5	n/t	n/t
Polyaromatic hydrocarbons									
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	0.5	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.4	0.2	1.0	< 0.1	0.2	< 0.1
Anthracene	M	mg/kg	0.1	0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	1.2	0.9	2.8	0.1	0.8	0.1
Pyrene	M	mg/kg	0.1	1.1	0.8	2.7	< 0.1	0.7	0.1
Benzo(a)anthracene	M	mg/kg	0.1	0.6	0.4	1.7	< 0.1	0.4	< 0.1
Chrysene	M	mg/kg	0.1	0.7	0.5	2.0	< 0.1	0.5	0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	0.7	0.5	1.5	0.2	0.5	0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.7	0.5	2.0	0.1	0.5	0.1
Benzo(a)pyrene	M	mg/kg	0.1	0.7	0.5	1.5	0.1	0.4	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.5	0.3	1.2	0.1	0.3	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.1	< 0.1	0.3	< 0.1	0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.5	0.3	0.6	< 0.1	0.4	< 0.1
Total PAH(16)	M	mg/kg	0.4	7.5	5.0	18.5	1.0	4.8	1.0

Tests marked N are not UKAS accredited.

The Environmental Laboratory Ltd. Reg. No. 3882193



Method Summary

Report No.: 18-20915

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
PAH (GC-FID)	M	As submitted sample	10/12/2018	133	GC-FID
Soil organic matter	U	Air dried sample	10/12/2018	BS1377:P3	Titrimetry



Report Information

Report No.: 18-20915

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the items tested

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 19-21741

Issue: 1

Date of Issue: 15/02/2019

Contact: Alistair Tyler

Customer Details: Ground Management Ltd
Robin Hill Farm
Clay Lane
Chichester
West Sussex
PO18 8AN

Quotation No: Q18-01348

Order No: G6308

Customer Reference: G6308

Date Received: 12/02/2019

Date Approved: 15/02/2019

Details: Kings Close, Yapton

Approved by:

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Sample Summary

Report No.: 19-21741

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
165166	GMP-9 0.10	08/02/2019	12/02/2019	Sandy silty loam	
165167	GMP-11 0.10	08/02/2019	12/02/2019	Sandy silty loam	
165168	GMP-12 0.10	08/02/2019	12/02/2019	Silty loam	
165169	GMP-15 0.10	08/02/2019	12/02/2019	Sandy silty loam	

Results Summary

Report No.: 19-21741

ELAB Reference	165166	165167	165168	165169
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	GMP-9	GMP-11	GMP-12	GMP-15
Sample Depth (m)	0.10	0.10	0.10	0.10
Sampling Date	08/02/2019	08/02/2019	08/02/2019	08/02/2019

Determinand	Codes	Units	LOD				
Metals							
Arsenic	M	mg/kg	1	10.5	10.7	13.1	12.9
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	0.5
Chromium	M	mg/kg	5	21.8	24.4	28.7	29.5
Chromium (III)	N	mg/kg	5	21.8	24.4	28.7	29.5
Copper	M	mg/kg	5	34.4	36.1	38.6	34.0
Lead	M	mg/kg	5	53.5	62.2	154	112
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	20.2	18.9	21.4	20.6
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	107	112	147	146
Inorganics							
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8
Miscellaneous							
pH	M	pH units	0.1	8.1	8.2	8.0	8.3
Soil Organic Matter	U	%	0.1	9.3	8.4	4.1	3.9
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	0.2
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.8	< 0.1	0.7	0.4
Pyrene	M	mg/kg	0.1	0.2	< 0.1	0.6	0.3
Benzo(a)anthracene	M	mg/kg	0.1	0.2	< 0.1	0.5	0.2
Chrysene	M	mg/kg	0.1	0.2	< 0.1	0.4	0.2
Benzo(b)fluoranthene	M	mg/kg	0.1	0.3	< 0.1	0.5	0.2
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2	0.1	0.5	0.2
Benzo(a)pyrene	M	mg/kg	0.1	0.1	< 0.1	0.5	0.2
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.3	< 0.1	0.4	0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	< 0.1
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.4	0.1	0.3	0.1
Total PAH(16)	M	mg/kg	0.4	3.1	0.9	4.9	2.2
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	1.1	1.3	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	1.1	1.3	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	3.6	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	53.0	15.3	8.5	6.1
>C35-C40 Aromatic	M	mg/kg	1	7.8	1.4	< 1.0	< 1.0
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	64.4	16.7	8.5	6.1
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	65.5	18.0	8.5	6.1



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Results Summary
Report No.: 19-21741

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
165166	0.10	GMP-9	Brown sandy soil	No asbestos detected	n/t	n/t	n/t	n/t
165167	0.10	GMP-11	Brown sandy soil	No asbestos detected	n/t	n/t	n/t	n/t
165168	0.10	GMP-12	Brown sandy soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
165169	0.10	GMP-15	Brown sandy soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 19-21741

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Hexavalent chromium	N	As submitted sample	13/02/2019	110	Colorimetry
pH	M	Air dried sample	14/02/2019	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	13/02/2019	118	ICPMS
PAH (GC-FID)	M	As submitted sample	13/02/2019	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	13/02/2019	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	13/02/2019	181	GC-MS
TPH CWG soil by gc-gc	M	As submitted sample	13/02/2019	214	
Soil organic matter	U	Air dried sample	14/02/2019	BS1377:P3	Titrimetry
Asbestos identification	U	Air dried sample	14/02/2019	PMAN	Microscopy

Tests marked N are not UKAS accredited



Report Information

Report No.: 19-21741

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
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SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C)

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the items tested

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

3.5 Selected photographs



View south showing subsoil Plots 2 to 4 and geotextile marker Plots 17 to 20



View south showing geotextile marker and subsoil Plots 12 to 16 (far right)



View south showing further subsoil Plots 12 to 16.



View east across Plot 20 showing topsoil placement to lawn (right)



View south across Plot 20 showing removal of piling mat and extension of geotextile marker layer



View south across Plot 16 showing sub soil placement



View northeast across Plots 12 to 16 showing subsoil placement



View south showing subsoil to Plots 17 to 20



View south showing stockpile (of material for disposal) on Plot 17



View south showing Plots 17 to 19 after removal of stockpiled material



Topsoil to Plot 19



Topsoil to Plot 20 (Front)

Appendix 4: Criteria for imported soil

APPENDIX 1**CRITERIA FOR IMPORTED SOILS**

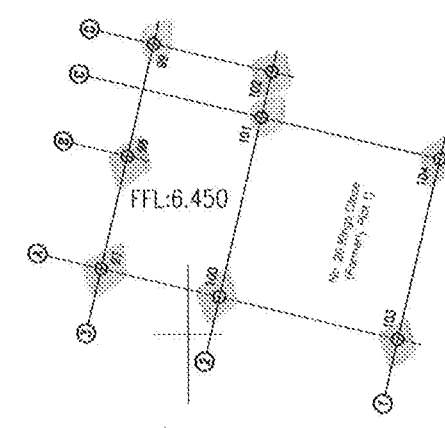
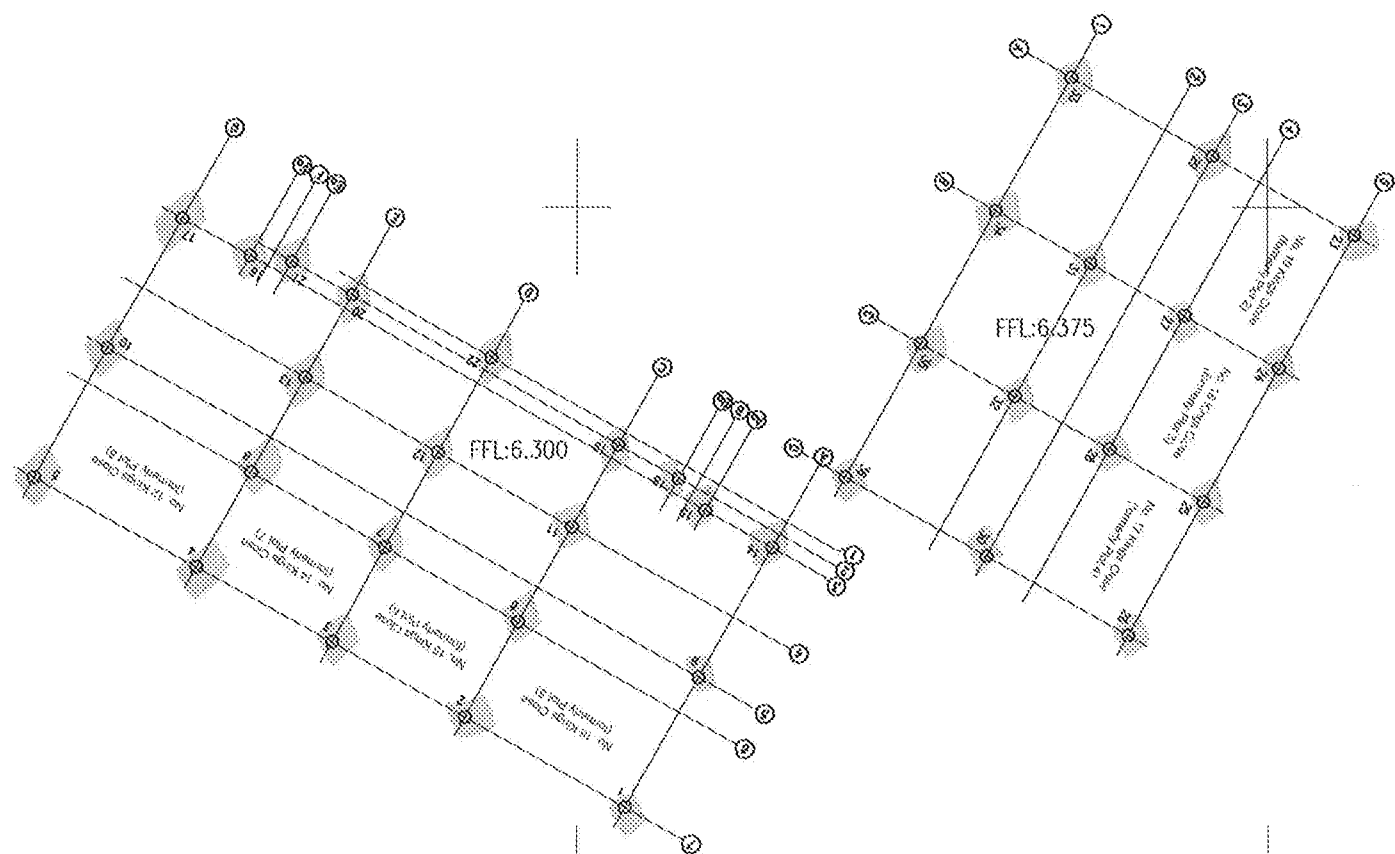
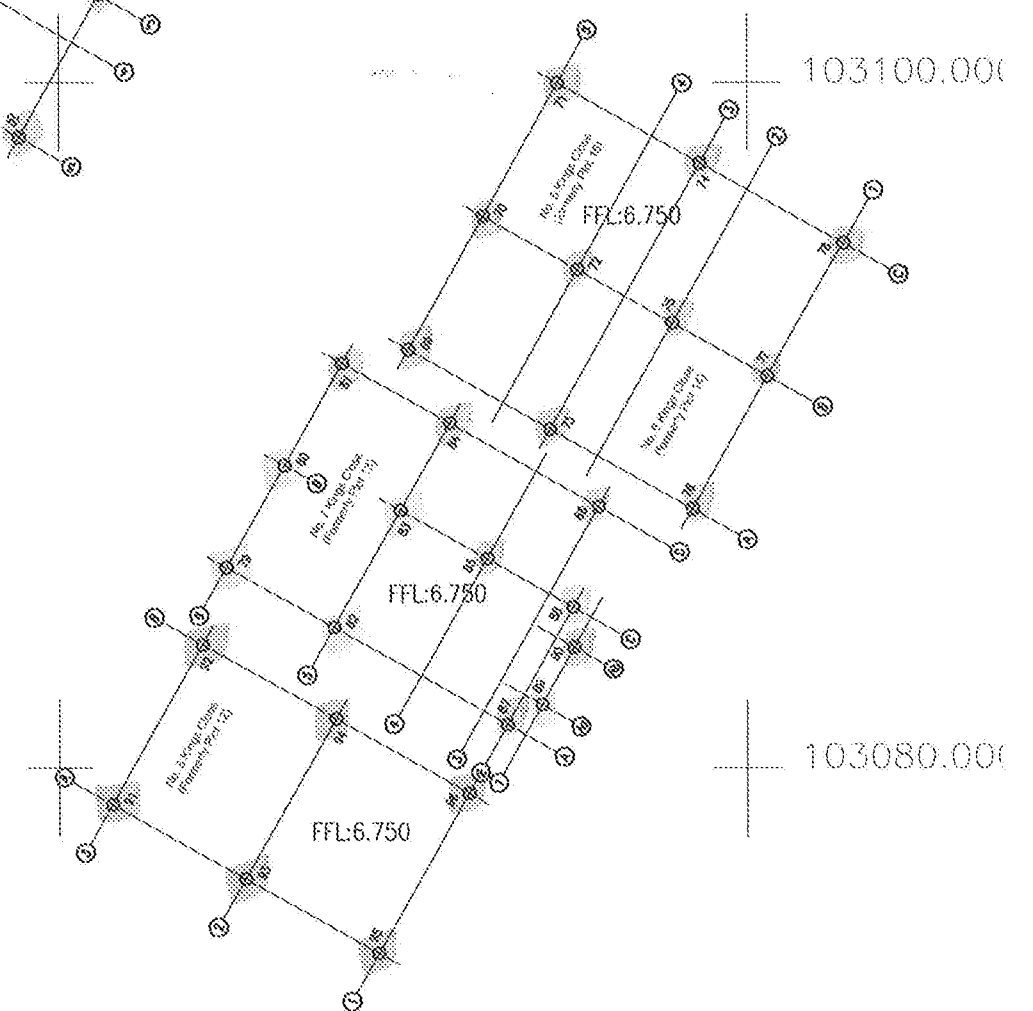
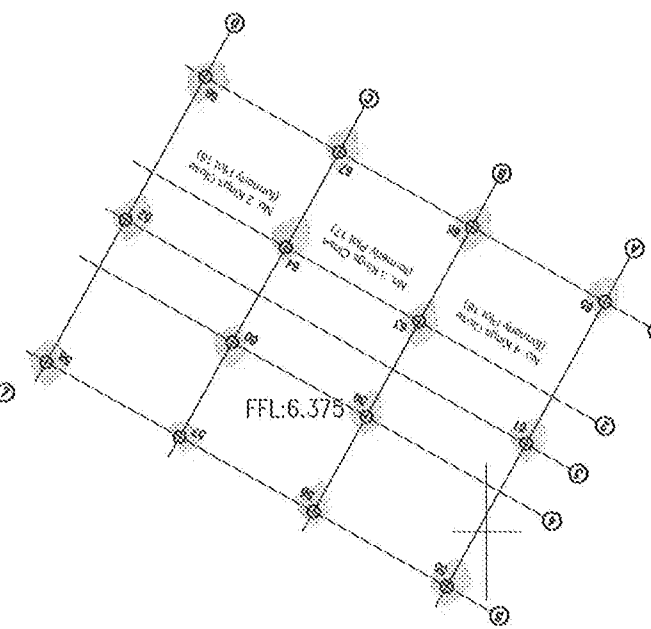
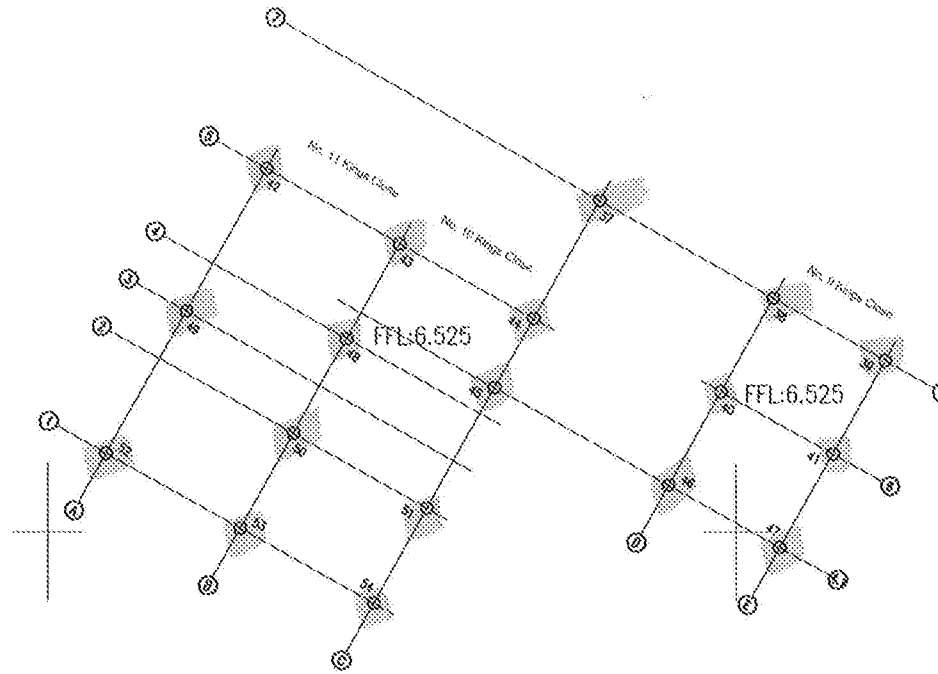
Potential contaminant	Criteria (mg/kg)
Arsenic	37
Cadmium	26
Chromium (III)	910
Copper	2400
Lead	210
Mercury (inorganic)	40
Nickel	130
Selenium	250
Zinc	3700
Acenaphthylene	420
Acenaphthene	510
Anthracene	5400
Benzo(a)anthracene	11
Benzo(a)pyrene	2.7
Benzo(b)fluoranthene	3.3
Benzo(ghi)perylene	340
Benzo(k)fluoranthene	93
Chrysene	22
Dibenzo(ah)anthracene	0.28
Fluorene	400
Fluoranthene	560
Ideno(1,2,3-cd)pyrene	36
Naphthalene	5.6
Phenanthrene	220
Pyrene	1200
TPH Aliphatic C5-C6	78
TPH Aliphatic C6-C8	230
TPH Aliphatic C8-C10	65
TPH Aliphatic C10-C12	330
TPH Aliphatic C12-C16	2400
TPH Aliphatic C16-C35	10000
TPH Aliphatic C35-C44	10000
TPH Aromatic C5-C7	140
TPH Aromatic C7-C8	290
TPH Aromatic C8-C10	83
TPH Aromatic C10-C12	180
TPH Aromatic C12-C16	330
TPH Aromatic C16-C21	540
TPH Aromatic C21-C35	1500
TPH Aromatic C35-C44	1500
pH	5 - 8

Values generally based on S4UL criteria for 2.5% SOM and a sandy loam soil.

S4UL criteria copyright Land Quality Management Ltd reproduced with permission; publication number S4UL3652. All rights reserved.

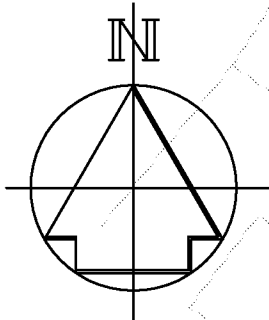
Appendix 5: Piling details

30/07
01/08
03/08



**KINGS CLOSE YAPTON
PILE LAYOUT
CFA PILING BY FRANKI
FOUNDATIONS
All 350mm dia.
Lengths Vary 8.5 to 14.0m**

Appendix 6: Details of mains water supply network



PRELIMINARY

OUTSTANDING DESIGN ISSUES:

- Highway Works Agreement
- Precise RWP Locations
- Precise Foul Outlet Locations
- Foundation, Pile & Ground Beam Details (by others)

WARNINGS:

- Contaminated Ground:**
Remediation of contaminated soils may be required in the vicinity of soakaway structures that will concentrate flows into the ground. See Ground Management Report G6300.
- Foul Drains / Sewers:**
Due to the close proximity of permeable pavements to foul drain runs on the site, it is not anticipated that Southern Water will adopt any of the new foul drainage system apart from manhole F3.

Notes

- This drawing to be read in conjunction with all relevant Architects and Engineers drawings and specifications.
- Dimensions are in millimetres unless noted otherwise.
- Original topographic survey undertaken by Kings Surveyors.
For full topographic survey information see Kings drawing No. 96926.0001.
All levels based on O.S. Datum by GPS.
- Existing levels shown thus:
- Before excavation commences, the Contractor shall ascertain the depths, sizes and locations of all services to be crossed. Any conflicts in levels between new works and existing services shall be notified to the Engineer.
- All drainage shall be in accordance with Building Regulations 2002: Part H & W.S.A Sewers for Adoption 7th edition.
- Details of existing sewers & drains shall be confirmed by the contractor on site prior to the commencement of works.
- Sewers of different diameters shall be laid soffit to soffit in manholes, unless backdrops are detailed.
- Private drains passing through walls and footings are to be sleeved and a 600mm length of rocker pipe shall be laid on each side of the wall or footing. Runs under building shall have a type 'S' bed and surround, unless depth below underside of slab is less than 300mm where a 150mm bed and surround of concrete is to be used. Where pipes pass beneath foundations 600mm length rocker pipes shall be laid on each side. Below is shown a typical detail of a pipe sleeved through a foundation:
- Manhole (M.H.) covers and inspection chamber (I.C.) shall be adjusted to suit final surface levels.
- Where trench foundation levels lie above original levels, levels shall be made up with either well compacted layers of D.O.T type 1 or mix ST2 concrete.
- For positions of SVP's stub stacks and rainwater pipes see detailed Architects layouts.
- Minimum gradients for pipes where no gradient is shown shall be 1:80.
- Dimensions of M.H. on private drains and sewers to be in accordance with requirements of the Building Regulations.
- Drainage trenches lower than foundations:
a) Where drainage trench is within 1.0 distance of a building the trench is to be filled with concrete mix ST 2 up to the level of the foundation, in accordance with Building Regulation 2002: Part H, diagram 8.
b) Where drainage trench is distance 'A' from footing and the depth of trench below foundation level is greater than 'A' the lower trench shall be filled with concrete mix ST 2 such that the top level of concrete infill is no less than ('A' - 150mm) below foundation level. Notes a) and b) are represented diagrammatically below:

- Pipe materials shall be:
a) For external private drain runs:
i) Clay pipes, extra strength or super strength in accordance with BS EN 295: 1991
ii) UPVC pipes in accordance with BS 4660 & BS 5481: 1989 (flexible pipes)
iii) Ductile iron pipe work in accordance with BS EN 588, as Stanton Integral with high performance joints or equivalent.
b) For adoptable sewers/highway drains, see longitudinal sections.
- Definition of 'rigid' and 'flexible' pipes shall be as Building Regulations Part H, table 7.
- Flexible pipes - Where private flexible pipes have more than 900mm cover under vehicular areas and more than 600mm cover under gardens, bedding and backfill shall be Type S as shown on drawing STD.01.85.
For special protection where pipes are laid with less cover see notes below.
a) Where private flexible pipes have less than 900mm cover under vehicular areas, a reinforced concrete bridging slab shall be used (as Type 'Y' drawing STD.01.85) Reference Building Regulations 2002: Part H.
b) Where private flexible pipes have less than 600mm cover under gardens, concrete paving slabs laid as bridging slab shall be used (as Type 'X' drawing STD.01.85.) Reference Building Regulations 2002: Part H.
- Rigid pipes - Bedding and backfill shall be Type 'S' as shown on drawing STD.01.85, except on lengths where special protection is required (see notes below).
a) Where $\varnothing$ 100mm private rigid pipes have less than 400mm cover under vehicular areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
b) Where $\varnothing$ 100mm private rigid pipes have less than 300mm cover under garden areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
c) Where $\varnothing$ 150mm private rigid pipes have less than 600mm cover under any areas, a Type 'Z' concrete surround shall be used (see drawing STD.01.85) Reference Building Regulations 2002: Part H.
- Private storm and foul drainage connections shall be detailed by the Architect.
- All external rainwater down pipes shall discharge through a proprietary bottle gully as shown on drawing STD.01.12.
- Trenches below existing carriageways and parking areas shall be reinstated with D.O.E Type 1 material in accordance with standard detail STD.02.05.
- All road gullies shall be trapped in accordance with detail STD.01.05 Type 1T.
- All utility covers & frames within the extent of the works shall be adjusted as necessary. The Contractor shall ensure that all services within vehicular areas have appropriate grade covers & frames as shown below:
Vehicular areas: D400 Pedestrian areas: B125

C3	CONSTRUCTION ISSUE, PLOT NUMBERS UPDATED.	-	PF-11-06-18
C2	WORKS IN AREA TO NORTH OF KINGSMEAD OMITTED.	-	PF-21-05-18
C1	CONSTRUCTION ISSUE, FOUL DRAINS LOWERED TO PASS UNDER PRECAST CONCRETE BEAMS.	-	PF-17-05-18
P5	SOAKAWAYS RESIZED, HYDRAULIC BREAK ON WEST BOUNDARY ADDED.	-	PF-08-05-18
P4	SPEED TABLE ADDED, PERMANENTLY ADJACENT NORTH OF KINGSMEAD.	-	PF-30-04-18
P3	ADDITIONAL EXTERNAL LEVELS SHOWN.	-	PF-23-04-18
P2	SOAKAWAYS MADE SHALLOWER & WIDER.	-	PF-05-05-18

REV	DESCRIPTION	CHECKED	DATE
-----	-------------	---------	------

Archibald Shaw

Consulting Civil & Structural Engineers
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Telephone: 01243 798471 Facsimile: 01243 779346
mail@archibaldshaw.co.uk www.archibaldshaw.co.uk

CLIENT
Plotlife

PROJECT
Housing Development
Kings Close, Yapton
General Arrangement showing Drainage

DRAWN BY PF	CHECKED BY VC	DESIGNED BY PF
SCALE @ A1 1:200	@DATE Jan. 2018	STATUS Construction
JOB NO. 28854	DRAWING NO. 101	REVISION C3

FOUL MANHOLE SCHEDULE

M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
F1	3.370	6.100	EXISTING MH	EXISTING	-	-	
F2	3.750	6.480	EXISTING MH	EXISTING	-	-	
F3*	4.080	6.460	Ø1200	675 x 675	D400	B	STD.01.30
F4	4.200	6.340	EXISTING MH	EXISTING	-	-	

* NOTE: Southern Water Connection. New manhole inspection by Southern Water required.

SURFACE WATER MANHOLE SCHEDULE

M.H. REF.	INVERT LEVEL LOWEST PIPE	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
S1	5.770	6.420	EXISTING MH	EXISTING	-	-	EXISTING MH
S2	5.450	6.455	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S3	-	6.380	EXISTING MH	EXISTING	-	-	DEMOLISH EXT. MH
S4	5.450	6.300	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S5	5.400	6.325	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S6	5.400	6.220	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S7	5.400	6.450	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S8	5.400	6.200	750 x 675	750 x 600	D400	CATCHPIT	STD.01.47
S9	5.850	6.200	750 x 675	750 x 600	D400	P2	STD.01.22
S10	5.510	6.500	750 x 675	750 x 600	D400	P2	STD.01.22

SOAKAWAY SCHEDULE

TYPE	EFFECTIVE DEPTH (H)	TOTAL DEPTH (m)	RING DIA. (m)	PIT DIMENSIONS PLAN (L x W) (m)	COVER SIZE (CLEAR OPENING) (mm)	COVER TYPE	COMMENT
SA 1	1.200	1.700	-	14.0 x 0.50	2 x Ø225	B125	SEE SVP'S AS HIGH STORAGE SOAKAWAY
SA 2	1.200	1.700	-	10.0 x 0.50	2 x Ø225	B125	SEE SVP'S AS HIGH STORAGE SOAKAWAY
SA 3	1.200	1.700	-	23.0 x 0.50	2 x Ø225	B125	SEE SVP'S AS HIGH STORAGE SOAKAWAY
SA 4	1.200	1.700	-	14.0 x 0.50	2 x Ø225	B125	SEE SVP'S AS HIGH STORAGE SOAKAWAY
SA 5	1.200	1.700	-	19.0 x 0.50	3 x Ø225	B125	SEE SVP'S AS HIGH STORAGE SOAKAWAY

- A Lotrak 1800 geotextile or equivalent surround is required.
- Soakaways shall be a minimum of 5.0m from any buildings or structures.
- The Contractor shall immediately notify the Engineer if groundwater is encountered in soakaway pits.
- A provisional soil infiltration rate of 2.50 x 10⁻⁶ m/sec has been used for soakaway design.

63mm Gas Main - do not duct

Gas Service Run

100mm Gas Duct

200mm Water Duct

100mm Water Duct

25mm barrier pipe

Elect 100mm duct

Elect. main cable

Elect. service cable

BT 100mm duct refer to BT drawing for jointing box locations and W.D. for BT house points

Street lighting 63mm duct

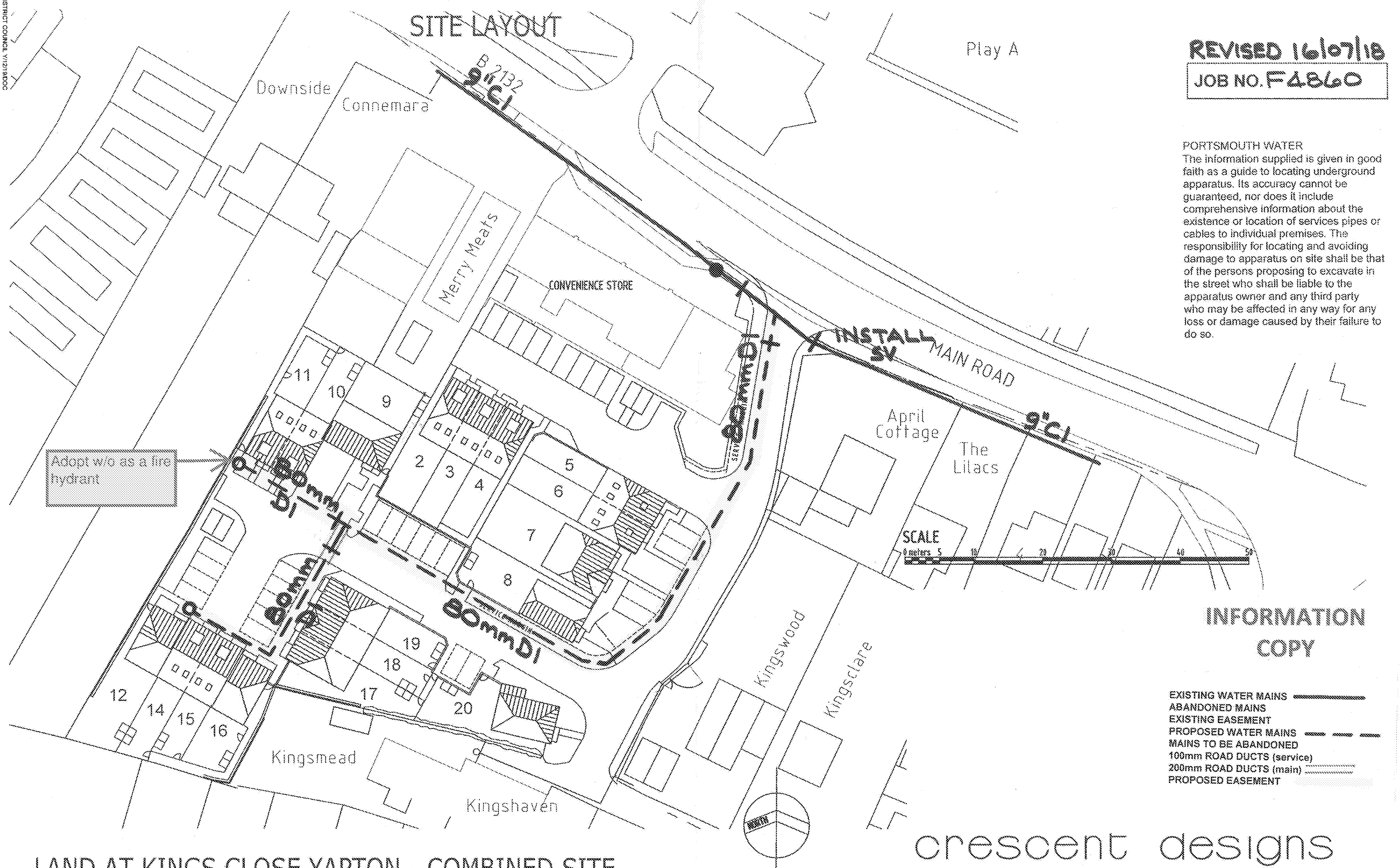
Street lighting cable

Route of existing water supply to Kingsmead

Route of existing elect. supply to Kingsmead

KEY

- TOPOGRAPHICAL SURVEY
- PROPOSALS
- PROPOSED SURFACE WATER DRAINS @ 100 UNLESS NOTED OTHERWISE
- SURFACE WATER MANHOLE/Ø 450 INSPECTION CHAMBER/RODDING EYE
- EXISTING FOUL WATER SEWER
- FULLY PERFORATED DISTRIBUTION PIPE
- FOUL WATER MANHOLE/Ø 450 INSPECTION CHAMBER/RODDING EYE
- GRADIENT BED TYPE (SEE STD.01.85)
- PIPE DIAMETER
- DISTANCE CHAMBER CENTRE TO CHAMBER CENTRE
- DIRECTION OF FLOW
- DRAIN TO BE ABANDONED
- HIGH STORAGE SOAKAWAY. SEE SCHEDULE
- CL = INSPECTION WELL COVER LEVEL
- BL = BASE OF STORAGE UNIT LEVEL



REVISED 16/07/18
JOB NO. F4860

PORTSMOUTH WATER
The information supplied is given in good faith as a guide to locating underground apparatus. Its accuracy cannot be guaranteed, nor does it include comprehensive information about the existence or location of services pipes or cables to individual premises. The responsibility for locating and avoiding damage to apparatus on site shall be that of the persons proposing to excavate in the street who shall be liable to the apparatus owner and any third party who may be affected in any way for any loss or damage caused by their failure to do so.



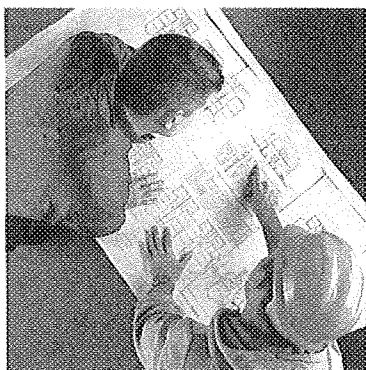
INFORMATION
COPY

- EXISTING WATER MAINS
- ABANDONED MAINS
- EXISTING EASEMENT
- PROPOSED WATER MAINS
- MAINS TO BE ABANDONED
- 100mm ROAD DUCTS (service)
- 200mm ROAD DUCTS (main)
- PROPOSED EASEMENT

LAND AT KINGS CLOSE YAPTON - COMBINED SITE

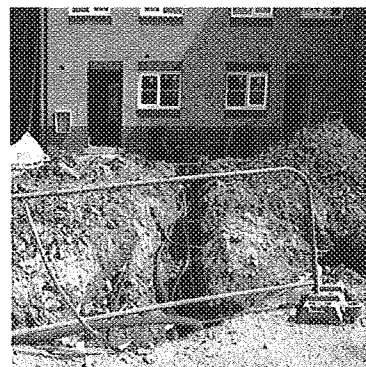
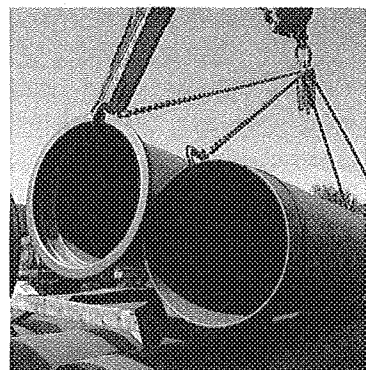
client project LAND AT KINGS CLOSE YAPTON date JAN 2014 drg no 13020-01REVB scale 1:500 @ A3

crescent designs
architecture
columbia house, columbia drive, worthing, west sussex,
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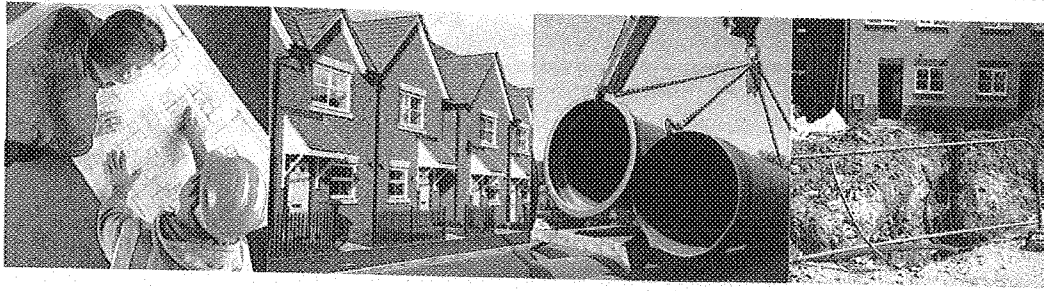


EXTRACTS

TERMS & CONDITIONS OFFER FOR MAINLAYING AT
Land At Kings Close
Yapton, West Sussex - Plotlife To Excavate & Backfill



16 July 2018



CONTAMINATED LAND

Your soil report indicates that there may be a risk of contamination from hydrocarbons, which can permeate polyethylene water pipes.

In this instance we consider that the site poses a risk to the water supply and therefore our pipes will be constructed from impermeable materials. Water supply pipes serving the properties which will be laid by you shall also be constructed from impermeable materials.

Further on site remediation may allow us to relax our requirements. We would expect to see further:

- Sampling and analysis validation certificates
- Site plan showing areas and depths of further works
- Certificates of remediation

In view that our water mains will be laid to a cover depth of 900mm post remediation should be carried out to a minimum of 1.2 metres.

Jim Hayler

